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EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

ONTARIO REGULATION 762/89

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MAY 1990

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REGULATION MADE UNDER THE ENVIRONMENTAL PROTECTION ACT

EFFLUENT MONITORING - ELECTRIC POWER GENERATION SECTOR

DEFINITIONS

1.-(1) In this Regulation,

"batch discharge effluent stream" means a stream identified as a batch discharge effluent stream in a Schedule;

"boiler blowdown effluent" means boiler blowdown water that is discharged, directly or indirectly, to a surface watercourse;

"boiler blowdown water" means recirculating boiler water that is discharged from a boiler for the purpose of controlling the level of water in the boiler or for the purpose of discharging from the boiler materials contained in the recirculating boiler water the further buildup of which would impair the operation of the boiler;

"boiler blowdown effluent sampling point" means a location in a boiler blowdown effluent stream situated,

(a) before the place of discharge to a surface watercourse, and

(b) upstream of any significant contaminant masking or significant dilution by any other effluent;

"boiler blowdown effluent stream" means boiler blowdown effluent that flows through an open or closed channel;

"characterization" means the analysis of a sample to identify and quantify all of the parameters in Schedule AA other than the parameters in analytical test groups E2 and E3 as set out in that Schedule;

"chlorination sampling point" means a location in a once-through cooling water effluent stream situated,

(a) before the place of discharge to a surface water-course,

(b) downstream of any turbine exhaust steam condenser through which the stream flows, and

(c) upstream of any point at which the stream joins any other stream;

"coal pile effluent" means effluent from a coal pile area;

"coal pile effluent sampling point" means a location in a coal pile effluent stream situated,

(a) before the place of discharge to a surface watercourse,

(b) upstream of any treatment,

(c) upstream of any significant contaminant masking or significant dilution by any other effluent, and

(d) downstream of the point at which the stream flows away from the coal pile area;

"coal pile effluent stream" means coal pile effluent that flows through an open or closed channel;

"equipment cleaning effluent" means,

(a) effluent that results from the washing or chemical cleaning of industrial equipment, including boilers and heat exchangers, and

(b) effluent that is discharged from a boiler following the wet layup of the boiler;

"equipment cleaning effluent sampling point" means a location in an equipment cleaning effluent stream situated,

(a) before the place of discharge to a surface watercourse, and

(b) upstream of any significant contaminant masking or significant dilution by any other effluent;

"equipment cleaning effluent stream" means equipment cleaning effluent that flows through an open or closed channel;

"event discharge effluent" means effluent in an event discharge effluent stream;

"event discharge effluent sampling point" means a location in an event discharge effluent stream situated,

(a) before the place of discharge to a surface watercourse, and

(b) upstream of any significant contaminant masking or significant dilution by any other effluent;

"event discharge effluent stream" means a stream identified as an event discharge effluent stream in a Schedule;

"General Effluent Monitoring Regulation" means Ontario Regulation 695/88;

"once-through cooling water sampling point" means a location in a once-through cooling water effluent stream situated before the place of discharge to a surface watercourse and,

(a) in the case of a plant in Category C, downstream of any additions of any other effluent, other than additions from water treatment plant neutralization sumps, or

(b) in the case of any other plant, downstream of any additions of any other effluent;

"potentially contaminated building effluent" means effluent,

(a) that is collected from equipment drains, floor drains or trenches within a building into a sump, and

(b) that is not known to be free from contamination by,

(i) chemicals stored at a plant for use at the plant in an industrial process or in the maintenance or operation of industrial equipment, or

(ii) chemicals used at a plant in an industrial process or in the maintenance or operation of industrial equipment;

"potentially contaminated building effluent sampling point" means a location in a potentially contaminated building effluent stream situated,

(a) before the place of discharge to a surface watercourse,

(b) after any final treatment, and

(c) upstream of any significant contaminant masking or significant dilution by any other effluent;

"potentially contaminated building effluent stream" means potentially contaminated building effluent that flows from a sump through an open or closed channel;

"process change" means a change in equipment, production process or treatment process;

"process effluent" means,

(a) effluent that comes into contact by design with any industrial process, or

(b) effluent that is discharged from any pollution control system or device;

"temperature measurement point" means a location in a once- through cooling water effluent stream located before the place of discharge to a surface watercourse and downstream of any heat exchanger located on the stream;

(2) The definitions in section 1 of the General Effluent Monitoring Regulation that are not redefined in this Regulation apply to this Regulation.

(3) In the General Effluent Monitoring Regulation, insofar as it governs direct dischargers to whom this Regulation applies, "batch discharge effluent" means effluent in a batch discharge effluent stream.

(4) A reference in this Regulation to a column of a monitoring schedule for a stream is, in the case of a stream that is named in the schedule, a reference to a column headed by that stream's type and the name of the stream.

(5) A reference in this Regulation to a column of a monitoring schedule for a stream is, in the case of a stream that is not named in the schedule, a reference to a column headed by that stream's type and the designation "unnamed".

(6) For the purposes of subsections (4) and (5), stream types are the types referred to in subsection 4(1).

PURPOSE

2. The purpose of this Regulation is to establish a data base on effluent quality in the electric power generation sector that, along with other pertinent information, will be used to develop effluent limits for that sector and to quantify the mass loadings of monitored contaminants being discharged by that sector into surface watercourses.

APPLICATION

3.-(1) This Regulation applies only with respect to the plants listed in the Table in subsection (3) and only with respect to streams on which a sampling point or temperature measurement point is established under section 4, and, in addition,

(a) subsection 22(27) applies to each once-through cooling water effluent stream in each plant listed in the Table in subsection (3), whether or not a sampling point or temperature measurement point is established on the stream, and

(b) subsection 22(36) applies to each plant listed in Schedule DD, whether or not the plant is also listed in the Table in subsection (3).

(2) For the purposes of this Regulation, the plants to which this Regulation applies are divided into categories as set out in the Table in subsection (3).

(3) The monitoring schedule for each plant is as follows:

Table

Item	Plant	Location	Owner as of August 1, 1989	Monitoring Schedule
CATEGORY A				
1.	Atikokan TGS	Atikokan	Ontario Hydro	A
2.	J.C. Keith TGS	Windsor	Ontario Hydro	A
3.	Lakeview TGS	Mississauga	Ontario Hydro	A
4.	Lambton TGS	Courtright	Ontario Hydro	A
5.	Lennox TGS	S.Fredricksburgh	Ontario Hydro	A
6.	Nanticoke TGS	Nanticoke	Ontario Hydro	A
7.	R.L. Hearn TGS	Toronto	Ontario Hydro	A
8.	Thunder Bay TGS	Thunder Bay	Ontario Hydro	A
CATEGORY B				
9.	Aguasabon GS	Aguasabon River	Ontario Hydro	B
10.	Arnprior GS	Madawaska River	Ontario Hydro	B
11.	Decew Falls NF 23 GS	Welland Canal	Ontario Hydro	B
12.	Pine Portage GS	Nipigon River	Ontario Hydro	B
13.	Silver Falls GS	Kaministikwia R.	Ontario Hydro	B
14.	Sir Adam Beck 2 GS	Niagara River	Ontario Hydro	B
CATEGORY C				
15.	Bruce NGS-A	Tiverton	Ontario Hydro	C
16.	Bruce NGS-B	Tiverton	Ontario Hydro	C
17.	Darlington NGS	Bowmanville	Ontario Hydro	C
18.	Pickering NGS-A and B	Pickering	Ontario Hydro	C
CATEGORY D				
19.	Bruce Heavy Water Plants	Tiverton	Ontario Hydro	D
CATEGORY E				
20.	Bruce Nuclear Power Development-Services	Tiverton	Ontario Hydro	E
CATEGORY F				
21.	Darlington NGS (under construction)	Bowmanville	Ontario Hydro	F
CATEGORY G				
22.	Chalk River Nuclear Laboratories	Chalk River	Atomic Energy of Canada Ltd.	G

Item	Plant	Location	Owner as of August 1, 1989	Monitoring Schedule
CATEGORY H				
23.	Douglas Point WMF	Tiverton	Atomic Energy of Canada Ltd.	H
CATEGORY I				
24.	Nuclear Power Demonstration WMF	Rolphton	Atomic Energy of Canada Ltd.	I

(4) This Regulation is a Sectoral Effluent Monitoring Regulation within the meaning of the General Effluent Monitoring Regulation.

(5) Each direct discharger shall carry out the monitoring obligations of this Regulation, including the sampling, analysis, toxicity testing, flow measurement, recording and reporting obligations of this Regulation, in accordance with the General Effluent Monitoring Regulation.

(6) Each direct discharger shall carry out the sampling and analytical obligations in relation to samples to be analyzed for parameters in analytical test groups E1, E2 and E3 as set out in Schedule AA in accordance with Schedules BB and CC.

(7) In addition to complying with subsection 3(19) of the General Effluent Monitoring Regulation, each direct discharger shall use only sampling equipment for the collection of samples, the wettable surfaces of which are made of,

(a) fluorocarbon resins, glass or stainless steel for samples that are to be analyzed for parameters in analytical test group E3 as set out in Schedule AA; and

(b) fluorocarbon resins, glass, stainless steel, high or low density polyethylene, polyethylene terephthalate, polystyrene or polypropylene for samples that are to be analyzed for parameters in analytical test groups E1 and E2 as set out in Schedule AA.

(8) Despite subsection (7), a direct discharger may use sampling devices that contain a short section of surgical grade silicone rubber tubing or other tubing approved by the Director if such tubing cannot be replaced by a material mentioned in subsection (7) without impairing the operation of the device.

(9) For the purposes of subsections 3(22), (25a) and (26) of the General Effluent Monitoring Regulation,

(a) a sample collected for analysis for parameters in more than one analytical test group as set out in Schedule AA is deemed to be a sample collected for analysis for parameters in more than one analytical test group in Schedule 1 to the General Effluent Monitoring Regulation; and

(b) a laboratory sample container specified in Column 2 of Schedule BB to this Regulation is deemed to be a laboratory sample container specified in Column 2 of Schedule 2 to the General Effluent Monitoring Regulation.

(10) Instead of the minimum sample volumes specified in Column 5 of Schedule BB, a direct discharger may, in relation to a sample to be analyzed, submit to the laboratory performing the analysis the minimum sample volume required by the laboratory to meet the analytical method detection limits set out in Column 6 of Schedule CC.

(11) Each direct discharger shall carry out the monitoring obligations, including the sampling, analysis, toxicity testing, flow measurement, recording and reporting obligations of this Regulation in relation to boiler blowdown effluent and event discharge effluent in accordance with the methods specified in the General Effluent Monitoring Regulation in relation to process effluent.

(12) Each direct discharger shall carry out the monitoring obligations, including the sampling, analysis, flow measurement, recording and reporting obligations of this Regulation in relation to coal pile effluent in accordance with the methods specified in the General Effluent Monitoring Regulation in relation to storm water.

(13) Each direct discharger shall carry out the monitoring obligations, including the sampling, analysis, flow measurement, recording and reporting obligations of this Regulation in relation to equipment cleaning effluent and potentially contaminated building effluent in accordance with the methods specified in the General Effluent Monitoring Regulation in relation to waste disposal site effluent.

(14) Each direct discharger shall carry out the sampling and analytical obligations of this Regulation in relation to boron, lithium, strontium, bromodichloromethane, biphenyl and diphenyl ether in accordance with Notes A to F to Schedule AA.

(15) An obligation on a direct discharger to do a thing under this Regulation is discharged if another person has done it on the direct discharger's behalf.

(16) Sections 4 to 21 cease to apply in respect of a sampling point of a direct discharger where an approval is granted under subsection 24(1) of the Ontario Water Resources Act,

(a) to route the effluent stream on which the sampling point is established to a sewage works; or

(b) to eliminate the effluent stream on which the sampling point is established.

SAMPLING AND TEMPERATURE MEASUREMENT POINTS

4.-(1) Each direct discharger shall, by the 1st day of April, 1990, establish sampling points on effluent streams of the discharger, as follows:

1. A batch discharge effluent sampling point on each batch discharge effluent stream named in the monitoring schedule for the discharger's plant.
2. A boiler blowdown effluent sampling point on each boiler blowdown effluent stream in the discharger's plant.
3. A coal pile effluent sampling point on each coal pile effluent stream in the discharger's plant.

4. A chlorination sampling point on each once-through cooling water effluent stream that is periodically dosed by the discharger with sodium hypochlorite or chlorine and that passes through a turbine exhaust steam condenser.

5. A combined effluent sampling point on each combined effluent stream named in the monitoring schedule for the discharger's plant.

6. An emergency overflow effluent sampling point on each emergency overflow effluent stream in the discharger's plant.

7. An equipment cleaning effluent sampling point on each equipment cleaning effluent stream in the discharger's plant, in the case of the plants in Category A, C or E.

8. An equipment cleaning effluent sampling point on each equipment cleaning effluent stream named in the monitoring schedule for the discharger's plant, in the case of the plants in Category D or F.

9. An event discharge effluent sampling point on each event discharge effluent stream named in the monitoring schedule for the discharger's plant.

10. A once-through cooling water sampling point on the largest once-through cooling water effluent stream in the discharger's plant, in the case of all plants other than the plants in Category B and the plants referred to in subsection 3(3) as Lambton TGS, Lennox TGS and Pickering NGS-A and B.

11. A once-through cooling water sampling point on any two transformer once-through cooling water effluent streams in the discharger's plant, in the case of the plants referred to in subsection 3(3) as Decew Falls NF 23 GS and Sir Adam Beck 2 GS.

12. A once-through cooling water sampling point on the largest once-through cooling water effluent stream in the discharger's plant and on any two transformer once-through cooling water effluent streams in the discharger's plant, in the case of the plants referred to in subsection 3(3) as Lambton TGS and Lennox TGS.

13. A once-through cooling water sampling point on the streams referred to at the plant as the NGS-A Reactor Building Service Water Stream, the Auxiliary Irradiated Fuel Bay Service Water Stream, the Sulzer Service Water Area Stream, the U.P.P. Service Water Stream, the Condenser Cooling Water Units 1 and 2 Stream, the Condenser Cooling Water Unit 3 Stream and the Condenser Cooling Water Unit 4 Stream, in the case of the part of the plant known as Pickering NGS-A at the plant referred to in subsection 3(3) as Pickering NGS-A and B.

14. A once-through cooling water sampling point on the largest once-through cooling water effluent stream and on the stream referred to at the plant as the NGS-B Reactor Building Service Water Stream, in the case of the part of the plant known as Pickering NGS-B at the plant referred to in subsection 3(3) as Pickering NGS-A and B.

15. A potentially contaminated building effluent sampling point on each potentially contaminated building effluent stream in the discharger's plant.

16. A process effluent sampling point on each process effluent stream named in the monitoring schedule for the discharger's plant.

17. A storm water sampling point on each storm water effluent stream in the discharger's plant, in the case of all plants other than the plants in Category B or G.

18. A storm water sampling point on each storm water effluent stream named in the monitoring schedule for the discharger's plant, in the case of the plants in Category B or G.

19. A waste disposal site effluent sampling point on each waste disposal site effluent stream in the discharger's plant, in the case of all plants other than the plants in Category E or G.

20. A waste disposal site effluent sampling point on each waste disposal site effluent stream named in the monitoring schedule for the discharger's plant, in the case of the plants in Category E or G.

(2) A direct discharger who has more than one storm water catchment area with the same land use may, by the 1st day of April, 1990, instead of establishing sampling points on each storm water effluent stream that originates from each such catchment area as required by paragraph 17 of subsection (1), establish sampling points only on,

(a) each storm water effluent stream that originates from the dirtiest of those areas; and

(b) each storm water effluent stream that originates from any of those areas if it is named in the monitoring schedule for the discharger's plant.

(3) For the purpose of subsection (2), one catchment area is dirtier than another if the effluent that flows from it is more likely to harm the natural environment than the effluent that flows from the other area.

(4) A determination by a direct discharger under subsection (2) as to the relative dirtiness of two or more catchment areas in the discharger's plant is deemed to be accurate so long as it was made reasonably and in good faith.

(5) Subject to subsections 6(3), 11(3) and 20(8), each direct discharger shall use the sampling points established under subsections (1) and (2) for all sampling required by this Regulation, except that a direct discharger may use alternate sampling points where that is acceptable to the Director.

(6) Subject to subsections (7) and (8), in the case of the plants in Category A, C, D and G, each direct discharger shall, by the 1st day of April, 1990, establish a temperature measurement point on each once-through cooling water effluent stream on which the discharger is required by subsection (1) to establish a sampling point.

(7) In the case of the part of the plant known as Pickering NGS-A at the plant referred to in subsection 3(3) as Pickering NGS-A and B, a temperature measurement point need only be established on the largest once-through cooling water effluent stream and on the stream referred to at the plant as the NGS-A Reactor Building Service Water Stream.

(8) In the case of the part of the plant known as Pickering NGS-B at the plant referred to in subsection 3(3) as Pickering NGS-A and B, a temperature measurement point need only be established on the largest once-through cooling water effluent stream.

(9) Subject to subsection (11), each direct discharger shall collect each sample required to be collected from a process, combined or event discharge effluent sampling point as a composite sample in accordance with subsection 3(4) of the General Effluent Monitoring Regulation.

(10) Despite subsection 3(11), each direct discharger shall collect each sample required to be collected from a boiler blowdown effluent sampling point in accordance with clauses 3(4)(c), (d) or (e) of the General Effluent Monitoring Regulation.

(11) In the case of the plants in Category C, each direct discharger shall collect each sample required to be collected from an event discharge effluent sampling point as a single grab sample taken during the second half of a discharge in the stream.

(12) Each direct discharger shall collect all samples required to be collected by clause 6(1)(a), subsection 6(6) and sections 8, 9 and 10 from any process effluent, combined effluent, batch discharge effluent and boiler blowdown effluent streams that flow into the same once-through cooling water effluent stream on the same days, to the extent that the sampling frequency requirements of this Regulation permit.

BOILER BLOWDOWN EFFLUENT MONITORING SCHEDULE

5.-(1) Where there are two or more boiler blowdown effluent streams in a plant, the direct discharger for the plant meets the monitoring requirements of sections 7 to 10 and 20 in relation to those streams during the period beginning the 1st day of June, 1990 and ending the 31st day of May, 1991 if the discharger monitors those streams in accordance with a schedule that ensures that,

(a) each boiler blowdown effluent stream in the plant is monitored under all of sections 7 to 10 and 20 throughout at least two months in the period; and

(b) at least one boiler blowdown effluent stream in the plant is monitored under all of sections 7 to 10 and 20 throughout each month in which boiler blowdown effluent is discharged from the discharger's plant in the period.

(2) For the purposes of clauses 1(a) and (b), a boiler blowdown effluent stream is monitored under all of sections 7 to 10 and 20 throughout a month if it is monitored under all of the sections throughout the same month.

(3) Where there are two or more boiler blowdown effluent streams in a plant, the direct discharger for the plant meets the monitoring requirements of section 7 in relation to those streams on and after the 1st day of June, 1991, if the discharger monitors only one of those streams.

(4) The part of the plant known as Pickering NGS-A and the part of the plant known as Pickering NGS-B, at the plant referred to in subsection 3(3) as Pickering NGS-A and B, are each plants within the meaning of subsections (1) and (3).

CHARACTERIZATION AND OPEN CHARACTERIZATION

6.-(1) Each direct discharger shall collect a set of samples sufficient to perform all of the analyses required by subsection (8) from each process effluent, combined effluent, event discharge effluent and batch discharge effluent sampling point of the discharger,

(a) on one operating day in each quarter; and

(b) once, on an operating day, within thirty days after every process change that is expected to adversely affect the quality of effluent at that sampling point.

(2) Subject to subsection (3), where a direct discharger has been unable to collect a set of samples from an event discharge effluent sampling point in any quarter as required by clause 6(1)(a) because of insufficient flow throughout the quarter, the discharger shall, as soon as possible, collect a compensating set of samples sufficient to perform all of the analyses required by subsection (8) from that sampling point, on an operating day on which a set of samples is not collected from that point under clause 6(1)(a).

(3) In the case of the plants referred to in subsection 3(3) as Lambton TGS and Lakeview TGS, where a direct discharger is unable to collect a set of samples from an event discharge effluent sampling point in any quarter as required by clause 6(1)(a) because of insufficient flow throughout the quarter, the discharger shall, during the quarter, collect a compensating set of samples sufficient to perform all of the analyses required by subsection (8) from the pond that feeds the stream on which the sampling point is situated.

(4) Samples collected under subsection (3) shall be collected at a location in the pond situated within ten metres of the mouth of the stream.

(5) Clause (1)(b) does not apply to experimental process changes of less than thirty days in duration.

(6) On one operating day in each quarter, each direct discharger shall collect a set of samples sufficient to perform all of the analyses required by subsection (8) from each boiler blowdown effluent sampling point of the discharger from which samples are collected under sections 7 to 10 and 20 in the month in which the operating day falls.

(7) For the purpose of subsection 4(3) of the General Effluent Monitoring Regulation, all samples collected under subsections (1) to (3) and (6) are collected for characterization.

(8) Each direct discharger shall perform a characterization and an open characterization on each set of samples collected under subsections (1) to (3) and (6).

(9) A direct discharger need only fulfill the requirements of clause (1)(a) and subsection (6) in four consecutive quarters.

(10) For the purposes of clause (1)(a) and subsection (6), samples collected from a sampling point after the first sample is collected from that sampling point under clause (1)(a) or subsection (6) shall be collected no sooner than six weeks and no later than four months after the previous sampling under clause (1)(a) or subsection (6) from that sampling point.

DAILY MONITORING

7.-(1) During each operating day, each direct discharger shall take a single grab sample from each sampling point on each process effluent stream indicated in the monitoring schedule for the discharger's plant as requiring analytical test group E2 daily monitoring, and shall analyze the sample for the parameters in analytical test group E2.

(2) During each operating day, each direct discharger shall collect a set of samples from each process effluent, combined effluent, batch discharge effluent and boiler blowdown effluent sampling point of the discharger, and shall analyze each such set for the parameters indicated in the daily column, for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(3) Subsection (2) does not apply in respect of a stream on any day on which a sufficient volume of sample cannot be collected from the stream because of the collection of inspection samples.

THRICE-WEEKLY MONITORING

8.-(1) On three operating days in each week, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsections (2) and (3) from each process effluent, combined effluent, batch discharge effluent and boiler blowdown effluent sampling point of the discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the thrice-weekly column, for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(3) Each direct discharger for the plant referred to in subsection 3(3) as Nanticoke TGS shall, in addition to performing the analyses required by subsection (2), analyze each set of samples collected under subsection (1) from the stream referred to at the plant as the Ash Transport Water System Stream for the parameter selenium in analytical test group 10 as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(4) In the case of a plant in Category C or F at which ammonia is not added to recirculating boiler water, a direct discharger need not analyze sets of samples collected under subsection (1) from a boiler blowdown effluent stream for the parameter ammonia plus ammonium in analytical test group 4a as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(5) In the case of a plant in Category C at which morpholine is not added to recirculating boiler water, a direct discharger need not analyze sets of samples collected under subsection (1) from a boiler blowdown effluent stream for the parameters in analytical test groups 5a and 5b as set out in Schedule 1 to the General Effluent Monitoring Regulation.

WEEKLY MONITORING

9.-(1) On one operating day in each week, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsections (2) to (6) from each process effluent, combined effluent, batch discharge effluent and boiler blowdown effluent sampling point of the discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the weekly column, for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(3) Each direct discharger for the plant referred to in subsection 3(3) as Thunder Bay TGS shall, in addition to performing the analyses required by subsection (2), analyze each set of samples collected under subsection (1) from the streams referred to at the plant as the Water Treatment Plant Neutralization Sump Stream and the Ash Transport Water System Stream for the parameter chloroform in analytical test group 16 as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(4) In the case of a plant in respect of which subsection 8(4) applies, each direct discharger shall, in addition to performing the analyses required by subsection (2), analyze each set of samples collected under subsection (1) from each boiler blowdown effluent stream of the discharger for the parameter ammonia plus ammonium in analytical test group 4a as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(5) In the case of a plant in respect of which subsection 8(5) applies, each direct discharger shall, in addition to performing the analyses required by subsection (2), analyze each set of samples collected under subsection (1) from each boiler blowdown effluent stream of the discharger for the parameters in analytical test groups 5a and 5b as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(6) Each direct discharger for the plant referred to in subsection 3(3) as Pickering NGS-A and B shall, in addition to performing the analyses required by subsection (2), analyze each set of samples collected under subsection (1) from the stream referred to at the plant as the Radioactive Liquid Waste Management Tanks Stream for the parameters cadmium and lead in analytical test group 9 as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(7) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 8(1) from the same sampling point, if a sample is collected from that sampling point under subsection 8(1) in the week.

(8) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two days after the previous sampling under subsection (1) from that sampling point.

MONTHLY MONITORING

10.-(1) On one operating day in each month, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsections (2) and (3) from each process effluent, combined effluent, batch discharge effluent and boiler blowdown effluent sampling point of the discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the monthly column, for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(3) Each direct discharger for the plant referred to in subsection 3(3) as Pickering NGS-A and B shall, in addition to performing the analyses required by subsection (2), analyze each set of samples collected under subsection (1) from the stream referred to at the plant as the Radioactive Liquid Waste Management Tanks Stream for the parameters in analytical test group 24 as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(4) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 8(1) from the same sampling point, if a sample is collected from that sampling point under subsection 8(1) in the month.

(5) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 9(1) from the same sampling point, if a sample is collected from that sampling point under subsection 9(1) in the month.

(6) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two weeks after the previous sampling under subsection (1) from that sampling point.

EVENT DISCHARGE EFFLUENT MONITORING

11.-(1) On one operating day in each month, each direct discharger shall collect a set of samples from each event discharge effluent sampling point of the discharger, and shall analyze each such set for the parameters indicated in the column for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(2) Subject to subsection (3), where a direct discharger has been unable to collect a set of samples from an event discharge effluent sampling point in any month as required by subsection (1) because of insufficient flow throughout the month, the discharger shall, as soon as possible, collect a compensating set of samples from that sampling point, on an operating day on which a set of samples is not collected from that point under subsection (1), and shall analyze each such set for the parameters indicated in the column for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(3) In the case of the plants referred to in subsection 3(3) as Lambton TGS and Lakeview TGS, where a direct discharger is unable to collect a set of samples from an event discharge effluent sampling point in any month as required by subsection (1) because of insufficient flow throughout the month, the discharger shall, on an operating day during the month, collect a compensating set of samples from the pond that feeds the stream on which the sampling point is situated, and shall analyze each such set for the parameters indicated in the column for that stream, of the monitoring schedule for the discharger's plant.

(4) Samples collected under subsection (3) shall be collected at a location in the pond situated within ten metres of the mouth of the stream.

ONCE-THROUGH COOLING WATER MONITORING

12.-(1) On one operating day in each month, each direct discharger shall collect a set of samples from each once-through cooling water sampling point of the discharger, and shall analyze each such set for the parameters indicated in the monthly column, for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(2) Each set of samples collected under subsection (1) from a once-through cooling water effluent stream shall be collected on one of the days on which a sample is collected under subsection 10(1) from a stream that flows into that once-through cooling water effluent stream, if any.

(3) For the purpose of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two weeks after the previous sampling from that sampling point under subsection (1)

(4) Each direct discharger who periodically doses once-through cooling water effluent streams with sodium hypochlorite or chlorine shall collect a single grab sample during the second half of each dosing period from an affected chlorination sampling point of the discharger, and shall analyze the sample for the parameter in analytical test group E2 as set out in Schedule AA.

TEMPERATURE MEASUREMENT - GENERAL

13.-(1) Each direct discharger shall, throughout each operating day, continuously measure the temperature of the effluent at each temperature measurement point established under subsections 4(6) to (8) for the discharger's plant, and shall calculate hourly temperature averages for each point based on readings taken at intervals no greater than fifteen minutes throughout each operating day.

(2) Each direct discharger shall, throughout each operating day, continuously measure the temperature of water taken into the discharger's plant directly from a surface watercourse, and shall calculate hourly intake water temperature averages based on readings taken at intervals no greater than fifteen minutes throughout each operating day.

(3) Each direct discharger shall calculate a temperature rise for each hour of each operating day in relation to each temperature measurement point, by subtracting the intake water temperature average for the hour as calculated under subsection (2) from the temperature average for the hour for that point as calculated under subsection (1).

(4) Each direct discharger shall, based on the calculations made under subsections (1) to (3), calculate and record the following:

1. An average temperature rise in relation to each temperature measurement point for each operating day, being the average of the hourly temperature rises calculated under subsection (3) in relation to that point on that day.
2. A minimum temperature rise in relation to each temperature measurement point for each operating day, being the lowest of the hourly temperature rises calculated under subsection (3) in relation to that point on that day.
3. A maximum temperature rise in relation to each temperature measurement point for each operating day, being the highest of the hourly temperature rises calculated under subsection (3) in relation to that point on that day.
4. An average intake water temperature for each operating day, being the average of the hourly averages calculated under subsection (2) on that day.
5. A minimum intake water temperature for each operating day, being the lowest of the hourly averages calculated under subsection (2) on that day.
6. A maximum intake water temperature for each operating day, being the highest of the hourly averages calculated under subsection (2) on that day.

7. An average temperature for each temperature measurement point for each operating day, being the average of the hourly averages calculated under subsection (1) for that point on that day.

8. A minimum temperature for each temperature measurement point for each operating day, being the lowest of the hourly averages calculated under subsection (1) for that point on that day.

9. A maximum temperature for each temperature measurement point for each operating day, being the highest of the hourly averages calculated under subsection (1) for that point on that day.

(5) Where on any operating day a direct discharger cannot meet a requirement to continuously measure the temperature of the effluent at a temperature measurement point under subsection (1) or to continuously measure the temperature of intake water under subsection (2), because of equipment malfunction and all reasonable care has been taken to avoid and correct the malfunction, or because of necessary equipment maintenance carried out with despatch, the discharger may instead,

(a) at intervals no greater than one hour throughout the day, take compensating temperature measurements of the effluent or intake water, as the case may be; or

(b) using an energy balance, make a compensating temperature calculation for the day for the effluent or intake water, as the case may be.

(6) Where the taking of temperature measurements or the calculation of temperature under subsection (5) makes it impossible for a direct discharger to calculate a value required to be calculated and recorded under subsection (4), the discharger may instead use the data obtained under subsections (1) to (5) to calculate and record the closest possible approximation of that value.

(7) Each direct discharger shall use a resistance temperature detector or an instrument of equivalent accuracy when measuring temperature under subsections (1) and (2).

(8) This section does not apply in respect of plants in Category B, E, F, G, H or I.

TEMPERATURE MEASUREMENT - CHALK RIVER NUCLEAR LABORATORIES

14.-(1) This section applies only in respect of the plant in Category G.

(2) Each direct discharger shall, throughout each operating day, continuously measure and record the temperature of the effluent at the temperature measurement point established under subsection 4(6) for the discharger's plant.

(3) Each direct discharger shall examine the record generated under subsection (2) for each operating day and shall, based on the examination, select the hour during the day during which the temperature of the effluent at the temperature measurement point appears to have been, on average, the highest.

(4) Each direct discharger shall calculate the average temperature of the effluent at the temperature measurement point during the hour selected for each operating day under subsection (3), and shall record the calculated average as the daily maximum temperature at the temperature measurement point.

(5) Each direct discharger shall, throughout each operating day, continuously measure and record the temperature of water taken into the plant directly from a surface watercourse, and shall calculate and record an intake water temperature average for each operating day based on a minimum of eight readings taken at approximately equal time intervals throughout the day.

(6) Each direct discharger shall calculate and record a temperature rise for each operating day by subtracting the intake water temperature average for the day as calculated under subsection (5) from the maximum temperature at the temperature measurement point for the day, as calculated under subsection (4).

(7) Where on any operating day a direct discharger cannot meet the requirement to continuously measure the temperature of the effluent at the temperature measurement point under subsection (2) or to continuously measure the temperature of intake water under subsection (5), because of equipment malfunction and all reasonable care has been taken to avoid and correct the malfunction, or because of necessary equipment maintenance carried out with despatch, the discharger may instead,

(a) at intervals no greater than eight hours throughout the day, take compensating temperature measurements of the effluent or intake water, as the case may be; or

(b) using an energy balance, make a compensating temperature calculation for the day for the effluent or intake water, as the case may be.

(8) Where the taking of temperature measurements or the calculation of temperature under subsection (7) makes it impossible for a direct discharger to calculate a value required to be calculated and recorded under subsections (4) to (6), the discharger may instead use the data obtained under subsections (2) to (7) to calculate and record the closest possible approximation of that value.

(9) Each direct discharger shall use a resistance temperature detector or an instrument of equivalent accuracy when measuring temperature under subsections (2) and (5).

MONTHLY MONITORING - STORM WATER AND COAL PILE EFFLUENT

15.-(1) On one operating day in each month, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsections (3) to (5) from each storm water sampling point and coal pile effluent sampling point of the discharger.

(2) Where a direct discharger has been unable to collect a set of samples from a storm water sampling point or a coal pile effluent sampling point in any month as required by subsection (1) because of insufficient flow throughout the month, the discharger shall, as soon as possible, collect a compensating set of samples from that sampling point, on an operating day on which a set of samples is not collected from that point under subsection (1), sufficient to perform the analyses required by subsections (3) to (5).

(3) Each direct discharger shall analyze each set of samples collected under subsections (1) and (2) for the parameters indicated in the column for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(4) Each direct discharger for the plant referred to in subsection 3(3) as R.L. Hearn TGS shall, in addition to performing the analyses required by subsection (3), analyze each set of samples collected under subsections (1) and (2) from each storm water effluent stream of the discharger for the parameters 2-methylnaphthalene and naphthalene in analytical test group 19 as set out in Schedule 1 to the General Effluent Monitoring Regulation and for the parameters in analytical test group 24 as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(5) Each direct discharger for the plants referred to in subsection 3(3) as Decew Falls NF 23 GS and Sir Adam Beck 2 GS shall, in addition to performing the analyses required by subsection (3), analyze each set of samples collected under subsections (1) and (2) from the streams referred to at each plant as the Transformer Yard Drain Stream for the parameter o-Xylene and for the parameter m-Xylene and p-Xylene, both in analytical test group 17 as set out in Schedule 1 to the General Effluent Monitoring Regulation.

(6) Each direct discharger shall make every reasonable effort to ensure that the samples collected under subsection (1) from each storm water and coal pile effluent sampling point of the discharger in at least two of the months of January, February, March, April and May are collected during a thaw with collection during the second thaw to occur no sooner than two weeks after collection during the first thaw.

WASTE DISPOSAL SITE EFFLUENT MONITORING

16.-(1) On one operating day in each month, each direct discharger shall collect a set of samples from each waste disposal site effluent sampling point of the discharger, during a discharge that affects the sampling point, and shall analyze each such set for the parameters indicated in the column for the stream from which the set was collected of the monitoring schedule for the discharger's plant.

(2) Subsection (1) does not apply in respect of a stream during any month in which a sufficient volume of sample cannot be collected from the stream because of lack of flow.

EQUIPMENT CLEANING EFFLUENT AND POTENTIALLY CONTAMINATED BUILDING EFFLUENT MONITORING

17.-(1) On one operating day in each month, each direct discharger shall collect a set of samples from each equipment cleaning effluent and potentially contaminated building effluent sampling point of the discharger, during a discharge that affects the sampling point, and shall analyze each such set for the parameters indicated in the column for the stream from which the set was collected of the monitoring schedule for the discharger's plant.

(2) Subsection (1) does not apply in respect of a stream during any month in which a sufficient volume of sample cannot be collected from the stream because of lack of flow.

EMERGENCY OVERFLOW EFFLUENT MONITORING

18.-(1) During each emergency overflow, each direct discharger shall collect a set of samples from each affected emergency overflow effluent sampling point of the discharger, and shall analyze each such set for the parameters indicated in the column for the stream from which the set was collected of the monitoring schedule for the discharger's plant.

(2) Subsection (1) does not apply if the collection of samples would result in extraordinary danger to health or safety.

QUALITY CONTROL MONITORING

19.-(1) Each direct discharger shall select, for the purpose of this section, the process effluent stream in respect of which the monitoring schedule for the discharger's plant indicates the largest number of parameters to be analyzed for in analytical test groups 16 to 20, 23, 24 and 27.

(2) If a direct discharger's plant has no process effluent stream in respect of which a parameter in analytical test groups 16 to 20, 23, 24 and 27 is required to be analyzed for, the discharger shall instead select the process effluent stream in respect of which the monitoring schedule for the discharger's plant indicates the largest number of parameters to be analyzed for in all analytical test groups.

(3) If a direct discharger's plant has no process effluent stream, the discharger shall instead select the combined effluent stream in respect of which the monitoring schedule for the discharger's plant indicates the largest number of parameters to be analyzed for in analytical test groups 16 to 20, 23, 24 and 27.

(4) If a direct discharger's plant has no process effluent stream, and has no combined effluent stream in respect of which a parameter in analytical test groups 16 to 20, 23, 24 and 27 is required to be analyzed for, the discharger shall instead select the combined effluent stream in respect of which the monitoring schedule for the discharger's plant indicates the largest number of parameters to be analyzed for in all analytical test groups.

(5) For the purposes of subsections (6) and (7), where a direct discharger collects a composite sample using an automatic composite sampling device, the discharger may, instead of collecting a duplicate sample, remove an aliquot from each sample container used to collect the sample, in which case the discharger shall analyze the aliquots as if they were duplicate samples.

(6) Once in each month, on the day on which samples are collected under section 10 from the sampling point on the effluent stream selected under subsections (1) to (4), if any stream is so selected, each direct discharger shall collect a duplicate sample for each sample collected on that day from that sampling point under sections 7 and 8, and shall analyze the set of duplicate samples for the parameters indicated in the daily and thrice-weekly columns, for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(7) Once in each quarter, on a day on which duplicate samples are collected under subsection (6), each direct discharger shall collect a duplicate sample for each sample collected on that day under sections 9 and 10 from the sampling point on the effluent stream selected under subsections (1) to (4), if any stream is so selected, and shall analyze the set of duplicate samples for the parameters indicated in the weekly and monthly columns, for the stream from which the set was collected, of the monitoring schedule for the discharger's plant.

(8) Once in each month, on the day on which duplicate samples are collected under subsection (6), each direct discharger shall prepare a travelling blank sample for each sample collected on that day under sections 7 and 8 from the sampling point on the effluent stream selected under subsections (1) to (4), if any stream is so selected, and shall analyze the set of travelling blank samples for the parameters indicated in the daily and thrice-weekly columns, for the stream from which the samples for which the travelling blank samples were prepared were collected, of the monitoring schedule for the discharger's plant.

(9) Once in each quarter, on the day on which duplicate samples are collected under subsection (7), each direct discharger shall prepare a travelling blank sample for each sample collected on that day under sections 9 and 10 from the sampling point on the effluent stream selected under subsections (1) to (4), if any stream is so selected, and shall analyze the set of travelling blank samples for the parameters indicated in the weekly and monthly columns, for the stream from which the samples for which the travelling blank samples were prepared were collected, of the monitoring schedule for the discharger's plant.

(10) Despite subsections (8) and (9), a direct discharger need not analyze a travelling blank sample for the parameters in analytical test groups 3 and 8 as set out in Schedule AA.

(11) Once in each month, on the day on which duplicate samples are collected under subsection (6), each direct discharger shall prepare a travelling spiked blank sample for each sample collected on that day under sections 7 and 8 from the sampling point on the effluent stream selected under subsections (1) to (4), if any stream is so selected, and shall analyze the set of travelling spiked blank samples for the parameters in analytical test groups 16 to 20, 23, 24 and 27 indicated in the daily and thrice-weekly columns, for the stream from which the samples for which the travelling spiked blank samples were prepared were collected, of the monitoring schedule for the discharger's plant.

(12) Once in each quarter, on the day on which duplicate samples are collected under subsection (7), each direct discharger shall prepare a travelling spiked blank sample for each sample collected on that day under sections 9 and 10 from the sampling point on the effluent stream selected under subsections (1) to (4), if any stream is so selected, and shall analyze the set of travelling spiked blank samples for the parameters in analytical test groups 16 to 20, 23, 24 and 27 indicated in the weekly and monthly columns, for the stream from which the samples for which the travelling spiked blank sample were prepared were collected, of the monitoring schedule for the discharger's plant.

(13) A direct discharger need only fulfill the requirements of subsections (7), (9) and (12) in four consecutive quarters.

TOXICITY TESTING

20.-(1) Each direct discharger shall collect a sample from each process effluent, combined effluent, batch discharge effluent and boiler blowdown effluent sampling point of the discharger once in each month, on the day on which samples are collected under section 10 from that sampling point, and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each sample collected under this subsection.

(2) If each fish toxicity test performed under subsection (1) on all samples collected from a process effluent, combined effluent or batch discharge effluent sampling point in three consecutive months results in mortality for no more than two out of ten fish at all effluent concentrations, a direct discharger may thereafter perform the fish toxicity tests required by subsection (1) on the samples from that sampling point, on 100 per cent undiluted samples only.

(3) If a fish toxicity test performed under subsection (2) on any sample from a process effluent, combined effluent or batch discharge effluent sampling point results in mortality for more than two out of ten fish, subsection (2) ceases to apply and continues not to apply to samples from that sampling point, until the fish toxicity tests performed under subsection (1) on all samples from that sampling point in a further three consecutive months result in mortality for no more than two out of ten fish at all effluent concentrations.

(4) Subsections (1) to (3) do not apply in relation to any process effluent stream that passes through an ash transport water system.

(5) Subsections (1) to (3) do not apply in relation to the stream referred to at the plant in Category E as the Condensate Plant Water Treatment Plant Stream.

(6) Each direct discharger shall collect a sample from each event discharge effluent sampling point of the discharger once in each month in which samples are collected from that point under subsection 11(1), on the day on which samples are collected from that point under subsection 11(1) in the month, and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each sample collected under this subsection.

(7) Each direct discharger shall collect a sample from each event discharge effluent sampling point of the discharger from which samples are collected under subsection 11(2), on each day on which samples are collected from that point under subsection 11(2), and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each sample collected under this subsection.

(8) Each direct discharger shall collect a sample from each pond that feeds an event discharge effluent stream of the discharger once in each month in which samples are collected from that pond under subsection 11(3), on the day on which samples are collected from that pond under subsection 11(3) in the month, and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each sample collected under this subsection.

(9) If each of three successive fish toxicity tests performed under subsections (6) to (8) on all samples collected from an event discharge effluent sampling point and the pond that corresponds to it results in mortality for no more than two out of ten fish at all effluent concentrations, a direct discharger may thereafter perform the fish toxicity tests required by subsections (6) to (8) on the samples from that sampling point and pond, on 100 per cent undiluted samples only.

(10) If a fish toxicity test performed under subsection (9) on any sample from an event discharge effluent sampling point or the pond that corresponds to it results in mortality for more than two out of ten fish, subsection (9) ceases to apply and continues not to apply to samples from that sampling point and pond, until a further three successive fish toxicity tests performed under subsections (6) to (8) on all samples from that sampling point and pond result in mortality for no more than two out of ten fish at all effluent concentrations.

(11) Subsections (6) to (10) do not apply in relation to any event discharge effluent stream at the plants referred to in subsection 3(3) as Bruce NGS-A and Bruce NGS-B that discharges into a radioactive liquid waste management system tank or in relation to any event discharge effluent stream at the plant in Category D that discharges into the stream referred to at the plant as the Bruce Heavy Water Plant Process Effluent Stream.

(12) Each direct discharger shall collect a sample from each once-through cooling water sampling point of the discharger once in each quarter, on a day on which samples are collected under section 12 from that sampling point, and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each sample collected under this subsection.

(13) If the fish toxicity test performed in the first quarter under subsection (12) on the sample from a once-through cooling water sampling point results in mortality for no more than two out of ten fish at all effluent concentrations, a direct discharger may thereafter perform the fish toxicity test required by subsection (12) on the samples from that sampling point, on 100 per cent undiluted samples only.

(14) If a test performed under subsection (13) on any sample from a once-through cooling water sampling point results in mortality for more than two out of ten fish, subsection (13) ceases to apply in respect of samples from that sampling point.

(15) A direct discharger need only fulfill the requirements of subsection (12) in four consecutive quarters.

FLOW MEASUREMENT

21.-(1) Each direct discharger shall, throughout each operating day, continuously measure the flow of each process effluent stream of the discharger at a location or set of locations representative of the flow at the sampling point established for the stream, and shall continuously record the measured flow.

(2) Where the flow of a process effluent stream cannot be continuously measured on any operating day because of equipment malfunction and all reasonable care has been taken to avoid and correct the malfunction, or because of necessary equipment maintenance carried out with despatch, the direct discharger may fulfill the requirement of subsection (1) by estimating the total volume of effluent discharged on that day from that stream and recording the estimate.

(3) Each direct discharger shall, at the time of each sampling under this Regulation from each once-through cooling water, boiler blowdown, combined and batch discharge effluent stream of the discharger, measure or estimate the flow of the stream at a location or set of locations representative of the flow at the sampling point established for the stream, and shall record the measured or estimated data.

(4) Each direct discharger shall measure or estimate the duration and volume of each discharge of storm water, coal pile effluent, event discharge effluent, emergency overflow effluent, equipment cleaning effluent, potentially contaminated building effluent and waste disposal site effluent in respect of which the discharger has taken a sample under this Regulation, and shall record the measured or estimated data.

(5) Despite subsection 3(11) of this Regulation and subsection 6(1) of the General Effluent Monitoring Regulation, a direct discharger need not measure the flow of an event discharge effluent stream or of a boiler blowdown effluent stream continuously.

(6) Despite subsection 6(6) of the General Effluent Monitoring Regulation, each direct discharger shall use methods, devices or calculations for the measurement or estimation of the flow of a batch discharge effluent stream that are capable of accuracy to within plus or minus 7 per cent of the actual flow.

(7) Subsection 6(6) of the General Effluent Monitoring Regulation does not apply in respect of measurements or estimates of the volume of discharges of storm water or coal pile effluent.

(8) Subject to subsection (9), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each primary flow measuring device used to measure the flow of a process effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(9) Where a direct discharger demonstrates to the Director, by means of a certified report of a registered professional engineer of the Province of Ontario, that a primary flow measuring device has been designed and installed in accordance with the standards of a national or international standards setting organization, that primary flow measuring device will be deemed capable of meeting the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(10) Subject to subsection (11), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each flow measuring device used to measure the flow of a combined effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

(11) Where a direct discharger demonstrates to the Director, by means of a certified report of a registered professional engineer of the Province of Ontario, that a flow measuring device has been designed and installed in accordance with the standards of a national or international standards setting organization, that flow measuring device will be deemed capable of meeting the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

REPORTING

22.-(1) Each direct discharger shall, by the 1st day of April, 1990, submit to the Director four copies of an initial report in respect of the discharger's plant.

(2) Each direct discharger shall ensure that the plans submitted under paragraph 1 of subsection 7(1) of the General Effluent Monitoring Regulation identify by type each effluent stream on which the discharger establishes a sampling point or a temperature measurement point under section 4.

(3) In addition to meeting the requirements of subsection 7(1) of the General Effluent Monitoring Regulation, each direct discharger shall include the following information in the initial report submitted under subsection (1):

1. One or more plot plans, along with supporting text, showing the location of each storm water catchment area within the discharger's plant, the land uses of those areas, the storm water effluent streams that drain those areas, the sampling points established on those streams and the points at which those streams discharge from the plant.
2. One or more plot plans, along with supporting text, showing the location of all temperature measurement points established by the discharger under subsections 4(6) to (8).

(4) Each direct discharger shall notify the Director in writing of any significant changes in respect of the information submitted under subsections (1) to (3), within thirty days after the end of the month during which the change occurs.

(5) Each direct discharger shall notify the Director in writing of any change of name or ownership of its plant occurring after the 1st day of August, 1989, within thirty days after this Regulation comes into force or within thirty days after any such change.

(6) Each direct discharger shall, no later than thirty days after the event, notify the Director in writing of any process change that occurs after the day this Regulation comes into force, if the change,

(a) may adversely affect the quality of the effluent in any effluent stream on which the discharger establishes a sampling point or a temperature measurement point under section 4; or

(b) results in the creation of a new effluent stream in the plant.

(7) Each direct discharger shall, no later than the 15th day of May, 1990 or thirty days before the event, notify the Director in writing of any redirection of or change in the type of any effluent stream on which the discharger establishes a sampling point or a temperature measurement point under section 4, if the redirection or change occurs on or after the 1st day of April, 1990.

(8) For the purposes of subsections (2) and (7), effluent stream types are the types mentioned in subsection 4(1).

(9) Despite subsection (7), a direct discharger need not notify the Director of any redirection of an effluent stream to an emergency overflow effluent stream.

(10) Each direct discharger shall report to the Director the results of all analyses performed by or on behalf of the discharger under sections 6 to 19 of this Regulation, including all positive numerical values at or above the analytical method detection limits calculated by the laboratory performing the analysis, together with the date on which each sample was collected and the method used to collect each sample.

(11) When reporting the results of analyses of a sample collected under section 15, each direct discharger shall submit to the Director a written statement indicating whether the sample was collected during a thaw.

(12) Each direct discharger shall, in accordance with subsection 7(6) of the General Effluent Monitoring Regulation, report to the Director the toxicity test information obtained under section 20, together with the date on which each sample was collected under section 20.

(13) The information required to be reported under subsection (12) constitutes results of analyses within the meaning of subsection 7(2) of the General Effluent Monitoring Regulation.

(14) Each direct discharger shall report to the Director each temperature value calculated and recorded under subsections 13(4), 13(6), 14(4) to (6) and 14(8), together with the date on which each temperature measurement to which each value relates was taken, within sixty days after the day on which the information necessary to calculate the value became available to the discharger.

(15) Each direct discharger shall report the information required to be reported under subsection (14) on a floppy diskette in a format acceptable to the Director and by hard copy generated from that diskette and signed by the discharger.

(16) Each direct discharger shall report in writing to the Director any action taken under subsections 13(5) and (6) and 14(7) and (8), together with the date on which the action was taken, within sixty days after each such action.

(17) Each direct discharger shall submit to the Director documentation of any calibration or certification of accuracy required by subsections 21(8) to (11) of this Regulation and subsection 6(2) of the General Effluent Monitoring Regulation, no later than thirty days before the first use of the device for the purposes of this Regulation.

(18) Each direct discharger shall, with respect to each method, device or calculation for flow measurement or estimation used in meeting the requirements of this Regulation, other than methods, devices or calculations to be used to measure or estimate the volume of discharges of storm water and coal pile effluent, submit to the Director, no later than sixty days before the first use of the method, device or calculation for the purposes of this Regulation, documentation sufficient to satisfy the Director that the method, device or calculation complies with the accuracy requirements of subsections 6(3) and (6) of the General Effluent Monitoring Regulation and subsection 21(6) of this Regulation.

(19) Each direct discharger shall, no later than the 1st day of April, 1990, submit to the Director a description of the methods, devices and calculations to be used in measuring or estimating the volume of discharges of storm water and coal pile effluent under subsection 21(4), together with an assessment of the accuracy of those methods, devices and calculations.

(20) Each direct discharger shall submit to the Director documentation of each calibration performed under subsection 6(7) of the General Effluent Monitoring Regulation, by the 1st day of April, 1990 or within thirty days after the calibration was performed.

(21) Each direct discharger shall report to the Director the flow measurement information recorded under subsections 21(1) to (3), together with the date on which each flow was measured or estimated.

(22) Each direct discharger shall submit to the Director a description of any methods, devices and calculations used in estimating the volume of a discharge of effluent under subsection 21(2), together with an assessment of the accuracy of those methods, devices and calculations, within sixty days after each such estimation.

(23) Each direct discharger shall report to the Director the information required to be recorded under subsection 21(4) together with the date and location of each discharge measured or estimated under subsection 21(4), within sixty days after the occurrence of each such discharge.

(24) Each direct discharger shall report in writing to the Director the date, approximate duration and amount of rainfall of each storm event that occurs during the period beginning on the 1st day of June, 1990 and ending on the 31st day of May, 1991, within sixty days after each such storm event.

(25) Each direct discharger shall submit to the Director, at least thirty days before the first day of each month, a written schedule of intended sampling dates by sampling point location for all sampling to be done under sections 6, 10, 11, 12 and 20 in that month.

(26) Each direct discharger shall make every reasonable effort to follow the schedule submitted under subsection (25) but if the schedule cannot be followed as submitted, the discharger shall notify the Director promptly of any change in dates.

(27) Within sixty days after the end of each quarter, each direct discharger shall submit a report to the Director stating the quantities of chemicals added during each month in the quarter to each once-through cooling water effluent stream in the discharger's plant, whether or not the stream is one on which the discharger establishes a sampling point or temperature measurement point under section 4, and stating the dates and locations at which these additions occurred.

(28) A direct discharger need only fulfill the requirements of subsection (27) in respect of months in the period beginning the 1st day of June, 1990 and ending the 31st day of May, 1991.

(29) Each direct discharger shall, by the 30th day of June, 1991, submit a written report to the Director describing the variation in daily flow for a period of at least six months for each process effluent stream from which samples are collected under this Regulation other than by means described in clauses 3(4)(a), (b) and (e) of the General Effluent Monitoring Regulation.

(30) The report referred to in subsection (29) shall include the raw data and calculation methods used to produce the report.

(31) Each direct discharger shall keep records of all sampling required by this Regulation, including, for each sample, the date, the time of collection, the sampling procedures used, the amount of sample dilution by preservative if dilution exceeds one per cent, and any incident likely to affect an analytical result.

(32) Each direct discharger shall develop a maintenance and calibration schedule for all sampling and flow measurement equipment and shall record the dates on which any maintenance and calibration action was taken, together with a description of the action.

(33) Each direct discharger shall keep records of all analytical methods used in meeting the requirements of this Regulation.

(34) Each direct discharger shall submit a written report to the Director detailing the date, duration and cause of each sampling, toxicity testing, analytical and flow measurement malfunction or other problem that interferes with fulfilling the requirements of this Regulation, together with a description of any remedial action taken, within sixty days after the day on which the malfunction or problem occurs.

(35) Each direct discharger shall keep all records and reports required by this Regulation to be kept or made for a period of two years following the date of the last report submitted to the Director under this section.

(36) Within sixty days after the end of each quarter, each direct discharger for each hydraulic generating plant listed in Schedule DD shall submit a written report to the Director stating the quantities, in kilograms, of oil and grease, seal oils, lubricants, transformer oils, hydraulic fluids and bulk chemicals used in the plant during each month in the quarter.

(37) A direct discharger need only fulfill the requirements of subsection (36) in respect of months in the period beginning the 1st day of June, 1990 and ending the 31st day of May, 1991.

(38) Each direct discharger shall report flow measurement information recorded under subsections 21(1) to (3) as the total volume of effluent discharged per operating day in cubic metres per day.

COMMENCEMENT

23.-(1) This Regulation, except sections 6 to 20 and subsections 21(1) to (7), comes into force on the day on which it is filed.

(2) Sections 6 to 20 and subsections 21(1) to (7) come into force on the 1st day of June, 1990.

REVOCATION

24. Subsections 6(1), (5), (6), (9) and (10), sections 8 to 10, subsection 11(1), section 12, subsection 15(1), sections 16 to 19, and subsections 20(1) to (6) and (12) to (15) are revoked on the 1st day of June, 1991.

SCHEDULE AA - MONITORING PARAMETERS - ELECTRIC POWER GENERATION SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s †
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)	N/A
2	Total cyanide	Total cyanide	57-12-5
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC) (NOTE 1)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Boron (NOTE A)	7440-42-8
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lithium (NOTE B)	7439-93-2
		Lead	7439-92-1
		Molybdenum	7439-98-7

SCHEDULE AA - MONITORING PARAMETERS - ELECTRIC POWER GENERATION SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s †
9	Total metals (continued)	Nickel	7440-02-0
		Silver	7440-22-4
		Strontium (NOTE C)	7440-24-6
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)	7440-47-3
12	Mercury	Mercury	7439-97-6
14	Phenolics (4AAP)	Phenolics (4AAP)*	N/A
15	Sulphide	Sulphide	N/A
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4
		1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromodichloromethane (NOTE D)	75-27-4
		Bromoform	75-25-2
		Bromomethane	74-83-9
		Carbon tetrachloride	56-23-5

SCHEDULE AA - MONITORING PARAMETERS - ELECTRIC POWER GENERATION SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s †
16	Volatiles, Halogenated (continued)	Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3 & 106-42-3
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2
		Benzo(g,h,i)perylene	191-24-2
		Benzo(k)fluoranthene	207-08-9
		Biphenyl (NOTE E)	92-52-4
		Camphene	79-92-5

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s †
19	Extractables, Base Neutral (continued)	1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7
		Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butyl phthalate	84-74-2
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		Diphenyl ether (NOTE F)	101-84-8
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7

SCHEDULE AA - MONITORING PARAMETERS - ELECTRIC POWER GENERATION SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s †
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7
		m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2

SCHEDULE AA - MONITORING PARAMETERS - ELECTRIC POWER GENERATION SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s †
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	634-66-2
		1,2,3,5-Tetrachlorobenzene	634-90-2
		1,2,4,5-Tetrachlorobenzene	95-94-3
		1,2,3-Trichlorobenzene	87-61-6
		1,2,4-Trichlorobenzene	120-82-1
		2,4,5-Trichlorotoluene	6639-30-1
		Hexachlorobenzene	118-74-1
		Hexachlorobutadiene	87-68-3
		Hexachlorocyclopentadiene	77-47-4
		Hexachloroethane	67-72-1
		Octachlorostyrene	29082-74-4
		Pentachlorobenzene	608-93-5
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
		Octachlorodibenzo-p-dioxin	326-88-7
		Octachlorodibenzofuran	Unavailable
		Total heptachlorinated dibenzo-p-dioxins	Unavailable
		Total heptachlorinated dibenzofurans	Unavailable
		Total hexachlorinated dibenzo-p-dioxins	34465-46-8
		Total hexachlorinated dibenzofurans	Unavailable
		Total pentachlorinated dibenzo-p-dioxins	Unavailable
		Total pentachlorinated dibenzofurans	Unavailable
		Total tetrachlorinated dibenzo-p-dioxins	Unavailable
		Total tetrachlorinated dibenzofurans	Unavailable
25	Solvent Extractables	Oil and grease	
27	PCBs (Total)	PCBs (Total)	Unavailable
E1	Metals	Iron	7439-89-6
E2	Total residual oxidants (TRO)	Total residual oxidants	

SCHEDULE AA - MONITORING PARAMETERS - ELECTRIC POWER GENERATION SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP		PARAMETERS	CAS #s †
#	NAME		
E3	Diethanolamine	Diethanolamine	

† CAS #s = Chemical Abstract Service Registry Numbers

* 4AAP = 4-amino antipyrine method

NOTE 1: Total organic carbon is to be analyzed for only if the total suspended solids concentration is greater than 15 mg/L.

NOTE 2: Chromium (Hexavalent) is to be analyzed for only if the total chromium concentration is greater than 1.0 mg/L.

NOTE A: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 9 in Schedule 2 and in Part A of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.05 mg/L.

NOTE B: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 9 in Schedule 2 and in Part A of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.05 mg/L.

NOTE C: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 9 in Schedule 2 and in Part A of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.02 mg/L.

NOTE D: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 16 in Schedule 2 and in Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.8 µg/L.

NOTE E: Follow the Sampling & Analytical Principles outlined for acenaphthene in Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 µg/L.

NOTE F: Follow the Sampling & Analytical Principles outlined for benzyl butyl phthalate in Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.4 µg/L.

SCHEDULE BB - SAMPLING PRINCIPLES

Column 1	Column 2	Column 3	Column 4	Col. 5	Column 6	Column 7
ANALYTICAL TEST GROUP	LABORATORY SAMPLE CONTAINER	LABORATORY CONTAINER PRE-TREATMENT	TEST SPECIFIC SAMPLING PRECAUTIONS	MIN. SAM. VOL	PRESERVATION METHOD	MAX. STORAGE TIME
Metals						
E1	Sample containers and caps/ liners must be composed only of one or more of the following materials: fluorocarbon resin, polyethylene terephthalate, glass, polystyrene, polypropylene, high or low density polyethylene. Metallic foil should not be used.	If pre-treatment necessary, soak overnight in a 5% solution of nitric acid (HNO3), followed by several rinses in distilled water.	If sample is high (>5%) in hydrocarbons or organic solvents, use glass or fluorocarbon resin sample container only.	100mL	Add nitric acid (HNO3) (containing <1 mg/L of all analytes) to lower pH to <2.	30 days
Total residual oxidants (TRO)						
E2	Glass/ground glass stopper	N/A	Fill container completely. Mount stopper to eliminate headspace.	N/A	Protect from light.	< 1 hr.
Diethanolamine						
E3	Amber glass bottle	None	None	100mL	None	30 days

SCHEDULE CC - ANALYTICAL PRINCIPLES & ANALYTICAL METHOD DETECTION LIMITS

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
ANALYTICAL TEST GROUP #	PARAMETERS CONVENTIONAL AND METAL PARAMETERS	SAMPLE PREPARATION METHOD PRINCIPLES	INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	ALTERNATE INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	ANALYTICAL METHOD DETECTION LIMITS
E1	Iron	Nitric evaporation or aqua regia digestion	Atomic absorption spectrometry and/or Emission Spectrometry - Inductively Coupled Plasma (ICP) or Direct Current Argon Plasma Spectrometry (DCP)	Polarography via the method of standard addition in the presence of suitable electrolyte	0.02 mg/L
E2	Total residual oxidants (TRO)	N/A	Amperometry or potentiometry	N/A	0.1 mg/L
E3	Diethanolamine	None	Ion Chromatography	N/A	0.1 mg/L

SCHEDULE DD - HYDRAULIC GENERATING PLANTS

ITEM	PLANT	LOCATION (River)	OWNER AS OF AUGUST 1, 1989
1	Abitibi Canyon GS	Abitibi	Ontario Hydro
2	Aguasabon GS	Aguasabon	Ontario Hydro
3	Alexander GS	Nipigon	Ontario Hydro
4	Arnprior GS	Madawaska	Ontario Hydro
5	Aubrey Falls GS	Mississagi	Ontario Hydro
6	Auburn GS	Otonabee	Ontario Hydro
7	Barrett Chute GS	Madawaska	Ontario Hydro
8	Big Chute GS	Severn	Ontario Hydro
9	Big Eddy GS	Muskoka	Ontario Hydro
10	Bingham Chute GS	South	Ontario Hydro
11	Calabogie GS	Madawaska	Ontario Hydro
12	Cameron Falls GS	Nipigon	Ontario Hydro
13	Caribou Falls GS	English	Ontario Hydro
14	Chats Falls GS	Ottawa	Ontario Hydro/ Hydro Quebec
15	Chenaux GS	Ottawa	Ontario Hydro
16	Coniston GS	Wanapitei	Ontario Hydro
17	Crystal Falls GS	Sturgeon	Ontario Hydro
18	Decew Falls ND 1 GS	Welland Ship Canal	Ontario Hydro
19	Decew Falls NF 23 GS	Welland Ship Canal	Ontario Hydro
20	Des Joachims GS	Ottawa	Ontario Hydro
21	Ear Falls GS	English	Ontario Hydro
22	Elliott Chute GS	South	Ontario Hydro

SCHEDULE DD - HYDRAULIC GENERATING PLANTS

ITEM	PLANT	LOCATION (River)	OWNER AS OF AUGUST 1, 1989
23	Eugenia GS	Beaver	Ontario Hydro
24	Frankford GS	Trent	Ontario Hydro
25	Hagues Reach GS	Trent	Ontario Hydro
26	Hanna Chute GS	Muskoka	Ontario Hydro
27	Harmon GS	Mattagami	Ontario Hydro
28	Healey Falls GS	Trent	Ontario Hydro
29	High Falls GS	Mississippi	Ontario Hydro
30	Holden GS	Ottawa	Ontario Hydro
31	Hound Chute GS	Montreal	Ontario Hydro
32	Indian Chute GS	Montreal	Ontario Hydro
33	Kakabeka Falls GS	Kaministikwia	Ontario Hydro
34	Kipling GS	Mattagami	Ontario Hydro
35	Lakefield GS	Otonabee	Ontario Hydro
36	Little Long GS	Mattagami	Ontario Hydro
37	Lower Notch GS	Montreal	Ontario Hydro
38	Lower Sturgeon GS	Mattagami	Ontario Hydro
39	Manitou Falls GS	English	Ontario Hydro
40	Matabitchuan GS	Matabitchuan	Ontario Hydro
41	McVittie GS	Wanapitei	Ontario Hydro
42	Merrickville GS	Rideau	Ontario Hydro
43	Meyersburg GS	Trent	Ontario Hydro
44	Mountain Chute GS	Madawaska	Ontario Hydro

SCHEDULE DD - HYDRAULIC GENERATING PLANTS

ITEM	PLANT	LOCATION (River)	OWNER AS OF AUGUST 1, 1989
45	Nipissing GS	South	Ontario Hydro
46	Ontario Power GS	Niagara	Ontario Hydro
47	Otter Rapids GS	Abitibi	Ontario Hydro
48	Pine Portage GS	Nipigon	Ontario Hydro
49	Ragged Rapids GS	Muskoka	Ontario Hydro
50	Ranney Falls GS	Trent	Ontario Hydro
51	Rayner GS	Mississagi	Ontario Hydro
52	Red Rock Falls GS	Mississagi	Ontario Hydro
53	Sandy Falls GS	Mattagami	Ontario Hydro
54	Saunders GS	St. Lawrence	Ontario Hydro
55	Seymour GS	Trent	Ontario Hydro
56	Sidney GS	Trent	Ontario Hydro
57	Sills Island GS	Trent	Ontario Hydro
58	Silver Falls GS	Kaministikwia	Ontario Hydro
59	Sir Adam Beck No. 1 GS	Niagara	Ontario Hydro
60	Sir Adam Beck No. 2 GS	Niagara	Ontario Hydro
61	Sir Adam Beck PGS	Niagara	Ontario Hydro
62	South Falls GS	Muskoka	Ontario Hydro
63	Stewartville GS	Madawaska	Ontario Hydro
64	Stinson GS	Wanapitei	Ontario Hydro
65	Trethewey Falls GS	Muskoka	Ontario Hydro
66	Wawaitin GS	Mattagami	Ontario Hydro

SCHEDULE DD - HYDRAULIC GENERATING PLANTS

ITEM	PLANT	LOCATION (River)	OWNER AS OF AUGUST 1, 1989
67	Wells GS	Mississagi	Ontario Hydro
68	Whitedog GS	Winnipeg	Ontario Hydro

LEGEND FOR SCHEDULES A TO I

NOTE 1: Total organic carbon is to be analyzed only if the total suspended solids concentration is greater than 15 milligrams/litre.

NOTE 2: Chromium (Hexavalent) is to be analyzed only if the total chromium concentration is greater than 1.0 milligram/litre.

ATG - Analytical Test Group

D - Daily

TW - Thrice weekly

W - Weekly

M - Monthly

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Ash Transport Water System				Unnamed			
		STREAM TYPE:	Process Effluent				Process Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium		XXX						XXX		XXX		
		Total Kjeldahl nitrogen			XXX				XXX				XXX	
4b		Nitrate + Nitrite			XXX				XXX					XXX
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX				XXX						XXX
5b		Total organic carbon (TOC) (NOTE 1)		XXX				XXX						XXX
6	Total phosphorus	Total phosphorus			XXX				XXX			XXX		
7	Specific conductance	Specific conductance	XXX				XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)		XXX			XXX					XXX		
		Volatile suspended solids (VSS)												
9	Total metals	Aluminum			XXX				XXX				XXX	
		Beryllium			XXX				XXX				XXX	
		Boron			XXX				XXX				XXX	
		Cadmium			XXX				XXX				XXX	
		Chromium			XXX				XXX				XXX	
		Cobalt			XXX				XXX				XXX	
		Copper		XXX				XXX				XXX		
		Lead			XXX				XXX				XXX	
		Lithium			XXX				XXX				XXX	
		Molybdenum			XXX				XXX				XXX	
		Nickel			XXX				XXX				XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Ash Transport Water System				Unnamed			
		STREAM TYPE:	Process Effluent				Process Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
9	Total metals (continued)	Silver			XXX				XXX				XXX	
		Strontium			XXX				XXX				XXX	
		Thallium			XXX				XXX				XXX	
		Vanadium			XXX				XXX				XXX	
		Zinc		XXX				XXX				XXX		
10	Hydrides (but see subsection 8(3))	Antimony				XXX			XXX					
		Arsenic			XXX				XXX					
		Selenium				XXX			XXX					
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)			XXX				XXX				XXX	
12	Mercury	Mercury			XXX				XXX					
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX				XXX			XXX	
15	Sulphide	Sulphide												
16	Volatiles, Halogenated (but see subsection 9(3))	1,1,2,2-Tetrachloroethane				XXX				XXX				
		1,1,2-Trichloroethane				XXX				XXX				
		1,1-Dichloroethane				XXX				XXX				
		1,1-Dichloroethylene				XXX				XXX				
		1,2-Dichlorobenzene				XXX				XXX				
		1,2-Dichloroethane (Ethylene dichloride)				XXX				XXX				
		1,2-Dichloropropane				XXX				XXX				
		1,3-Dichlorobenzene				XXX				XXX				
		1,4-Dichlorobenzene				XXX				XXX				
		Bromodichloromethane				XXX				XXX				
		Bromoform				XXX				XXX				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Ash Transport Water System				Unnamed			
		STREAM TYPE:	Process Effluent				Process Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
16	Volatiles, Halogenated (but see subsection 9(3)) (continued)	Bromomethane				XXX				XXX				
		Carbon tetrachloride				XXX				XXX				
		Chlorobenzene				XXX				XXX				
		Chloroform				XXX				XXX				
		Chloromethane				XXX				XXX				
		Cis-1,3-Dichloropropylene				XXX				XXX				
		Dibromochloromethane				XXX				XXX				
		Ethylene dibromide				XXX				XXX				
		Methylene chloride				XXX				XXX				
		Tetrachloroethylene (Perchloroethylene)				XXX				XXX				
		Trans-1,2-Dichloroethylene				XXX				XXX				
		Trans-1,3-Dichloropropylene				XXX				XXX				
		Trichloroethylene				XXX				XXX				
		Trichlorofluoromethane				XXX				XXX				
		Vinyl chloride (Chloroethylene)				XXX				XXX				
19	Extractables, Base Neutral	Acenaphthene												
		5-nitro Acenaphthene												
		Acenaphthylene												
		Anthracene												
		Benz(a)anthracene												
		Benzo(a)pyrene												
		Benzo(b)fluoranthene												
		Benzo(g,h,i)perylene												
		Benzo(k)fluoranthene												
		Biphenyl												
		Camphene												
		1-Chloronaphthalene												
		2-Chloronaphthalene												

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Ash Transport Water System				Unnamed			
		STREAM TYPE:	Process Effluent				Process Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
19	Extractables, Base Neutral (continued)	Chrysene												
		Dibenz(a,h)anthracene												
		Fluoranthene												
		Fluorene												
		Indeno(1,2,3-cd)pyrene												
		Indole												
		1-Methylnaphthalene												
		2-Methylnaphthalene												
		Naphthalene												
		Perylene												
		Phenanthrene												
		Pyrene												
		Benzyl butyl phthalate												
		Bis(2-ethylhexyl) phthalate												
		Di-n-butyl phthalate												
		4-Bromophenyl phenyl ether												
		4-Chlorophenyl phenyl ether												
		Bis(2-chloroisopropyl)ether												
		Bis(2-chloroethyl)ether												
		Diphenyl ether												
		2,4-Dinitrotoluene												
		2,6-Dinitrotoluene												
		Bis(2-chloroethoxy)methane												
		Diphenylamine												
		N-Nitrosodiphenylamine												
		N-Nitrosodi-n-propylamine												

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Ash Transport Water System				Unnamed			
		STREAM TYPE:	Process Effluent				Process Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene												
		1,2,3,5-Tetrachlorobenzene												
		1,2,4,5-Tetrachlorobenzene												
		1,2,3-Trichlorobenzene												
		1,2,4-Trichlorobenzene												
		2,4,5-Trichlorotoluene												
		Hexachlorobenzene												
		Hexachlorobutadiene												
		Hexachlorocyclopentadiene												
		Hexachloroethane												
		Octachlorostyrene												
		Pentachlorobenzene												
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin												
		Octachlorodibenzo-p-dioxin												
		Octachlorodibenzofuran												
		Total heptachlorinated dibenzo-p-dioxins												
		Total heptachlorinated dibenzofurans												
		Total hexachlorinated dibenzo-p-dioxins												
		Total hexachlorinated dibenzofurans												
		Total pentachlorinated dibenzo-p-dioxins												
		Total pentachlorinated dibenzofurans												
		Total tetrachlorinated dibenzo-p-dioxins												
		Total tetrachlorinated dibenzofurans												
25	Solvent Extractables	Oil and grease			XXX				XXX					XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)												

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Ash Transport Water System				Unnamed			
		STREAM TYPE:	Process Effluent				Process Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
E1	Metals	Iron		XXX				XXX				XXX		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator				Coal Pile Treatment System	Unnamed	Unnamed
		STREAM TYPE:	Process Effluent				Event Discharge Effluent	Coal Pile Effluent	Once Through Cooling Water
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**							
3	Hydrogen ion (pH)	Hydrogen ion (pH)		XXX			XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium				XXX	XXX	XXX	
		Total Kjeldahl nitrogen				XXX	XXX	XXX	
4b		Nitrate + Nitrite				XXX	XXX	XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX			XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)		XXX			XXX	XXX	XXX
6	Total phosphorus	Total phosphorus				XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance		XXX			XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)		XXX			XXX	XXX	XXX
		Volatile suspended solids (VSS)		XXX					
9	Total metals	Aluminum				XXX	XXX	XXX	XXX
		Beryllium				XXX	XXX	XXX	XXX
		Boron				XXX	XXX	XXX	XXX
		Cadmium				XXX	XXX	XXX	XXX
		Chromium				XXX	XXX	XXX	XXX
		Cobalt				XXX	XXX	XXX	XXX
		Copper				XXX	XXX	XXX	XXX
		Lead				XXX	XXX	XXX	XXX
		Lithium				XXX	XXX	XXX	XXX
		Molybdenum				XXX	XXX	XXX	XXX
		Nickel				XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator				Coal Pile Treatment System	Unnamed	Unnamed
		STREAM TYPE:	Process Effluent				Event Discharge Effluent	Coal Pile Effluent	Once Through Cooling Water
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
9	Total metals (continued)	Silver				XXX	XXX	XXX	XXX
		Strontium				XXX	XXX	XXX	XXX
		Thallium				XXX	XXX	XXX	XXX
		Vanadium				XXX	XXX	XXX	XXX
		Zinc				XXX	XXX	XXX	XXX
10	Hydrides	Antimony					XXX	XXX	
		Arsenic					XXX	XXX	
		Selenium					XXX	XXX	
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)				XXX	XXX	XXX	XXX
12	Mercury	Mercury					XXX	XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)		XXX			XXX	XXX	XXX
15	Sulphide	Sulphide							
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX			
		1,1,2-Trichloroethane				XXX			
		1,1-Dichloroethane				XXX			
		1,1-Dichloroethylene				XXX			
		1,2-Dichlorobenzene				XXX			
		1,2-Dichloroethane (Ethylene dichloride)				XXX			
		1,2-Dichloropropane				XXX			
		1,3-Dichlorobenzene				XXX			
		1,4-Dichlorobenzene				XXX			
		Bromodichloromethane				XXX			
		Bromoform				XXX			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator				Coal Pile Treatment System	Unnamed	Unnamed
		STREAM TYPE:	Process Effluent				Event Discharge Effluent	Coal Pile Effluent	Once Through Cooling Water
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**							
16	Volatiles, Halogenated (continued)	Bromomethane				XXX			
		Carbon tetrachloride				XXX			
		Chlorobenzene				XXX			
		Chloroform				XXX			XXX
		Chloromethane				XXX			
		Cis-1,3-Dichloropropylene				XXX			
		Dibromochloromethane				XXX			
		Ethylene dibromide				XXX			
		Methylene chloride				XXX			
		Tetrachloroethylene (Perchloroethylene)				XXX			
		Trans-1,2-Dichloroethylene				XXX			
		Trans-1,3-Dichloropropylene				XXX			
		Trichloroethylene				XXX			
		Trichlorofluoromethane				XXX			
		Vinyl chloride (Chloroethylene)				XXX			
19	Extractables, Base Neutral	Acenaphthene							
		5-nitro Acenaphthene							
		Acenaphthylene							
		Anthracene							
		Benz(a)anthracene							
		Benzo(a)pyrene							
		Benzo(b)fluoranthene							
		Benzo(g,h,i)perylene							
		Benzo(k)fluoranthene							
		Biphenyl							
		Camphene							
		1-Chloronaphthalene							
		2-Chloronaphthalene							

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator				Coal Pile Treatment System	Unnamed	Unnamed
		STREAM TYPE:	Process Effluent				Event Discharge Effluent	Coal Pile Effluent	Once Through Cooling Water
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
19	Extractables, Base Neutral (continued)	Chrysene							
		Dibenz(a,h)anthracene							
		Fluoranthene							
		Fluorene							
		Indeno(1,2,3-cd)pyrene							
		Indole							
		1-Methylnaphthalene							
		2-Methylnaphthalene							
		Naphthalene							
		Perylene							
		Phenanthrene							
		Pyrene							
		Benzyl butyl phthalate							
		Bis(2-ethylhexyl) phthalate							
		Di-n-butyl phthalate							
		4-Bromophenyl phenyl ether							
		4-Chlorophenyl phenyl ether							
		Bis(2-chloroisopropyl)ether							
		Bis(2-chloroethyl)ether							
		Diphenyl ether							
		2,4-Dinitrotoluene							
		2,6-Dinitrotoluene							
		Bis(2-chloroethoxy)methane							
		Diphenylamine							
		N-Nitrosodiphenylamine							
		N-Nitrosodi-n-propylamine							

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

NAME OF EFFLUENT STREAM:			Oily Water Separator				Coal Pile Treatment System	Unnamed	Unnamed
STREAM TYPE:			Process Effluent				Event Discharge Effluent	Coal Pile Effluent	Once Through Cooling Water
FREQUENCY OF SAMPLING:			D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene					XXX	XXX	
		1,2,3,5-Tetrachlorobenzene					XXX	XXX	
		1,2,4,5-Tetrachlorobenzene					XXX	XXX	
		1,2,3-Trichlorobenzene					XXX	XXX	
		1,2,4-Trichlorobenzene					XXX	XXX	
		2,4,5-Trichlorotoluene					XXX	XXX	
		Hexachlorobenzene					XXX	XXX	
		Hexachlorobutadiene					XXX	XXX	
		Hexachlorocyclopentadiene					XXX	XXX	
		Hexachloroethane					XXX	XXX	
		Octachlorostyrene					XXX	XXX	
		Pentachlorobenzene					XXX	XXX	
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin							
		Octachlorodibenzo-p-dioxin							
		Octachlorodibenzofuran							
		Total heptachlorinated dibenzo-p-dioxins							
		Total heptachlorinated dibenzofurans							
		Total hexachlorinated dibenzo-p-dioxins							
		Total hexachlorinated dibenzofurans							
		Total pentachlorinated dibenzo-p-dioxins							
		Total pentachlorinated dibenzofurans							
		Total tetrachlorinated dibenzo-p-dioxins							
		Total tetrachlorinated dibenzofurans							
25	Solvent Extractables	Oil and grease		XXX			XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)							

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator				Coal Pile Treatment System	Unnamed	Unnamed
		STREAM TYPE:	Process Effluent				Event Discharge Effluent	Coal Pile Effluent	Once Through Cooling Water
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
E1	Metals	Iron				XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Equipment Cleaning Effluent	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum	XXX	XXX	XXX	
		Beryllium	XXX	XXX		
		Boron	XXX			
		Cadmium	XXX			
		Chromium	XXX	XXX	XXX	
		Cobalt	XXX	XXX	XXX	
		Copper	XXX	XXX	XXX	XXX
		Lead	XXX	XXX		
		Lithium	XXX			
		Molybdenum	XXX	XXX	XXX	
		Nickel	XXX			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Equipment Cleaning Effluent	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	M	during discharge
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
9	Total metals (continued)	Silver	XXX			
		Strontium	XXX			
		Thallium	XXX			
		Vanadium	XXX			
		Zinc	XXX	XXX	XXX	XXX
10	Hydrides	Antimony		XXX		
		Arsenic		XXX		
		Selenium				
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)				
12	Mercury	Mercury		XXX		
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX		
15	Sulphide	Sulphide				
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				
		1,1,2-Trichloroethane				
		1,1-Dichloroethane				
		1,1-Dichloroethylene				
		1,2-Dichlorobenzene				
		1,2-Dichloroethane (Ethylene dichloride)				
		1,2-Dichloropropane				
		1,3-Dichlorobenzene				
		1,4-Dichlorobenzene				
		Bromodichloromethane				
		Bromoform				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Equipment Cleaning Effluent	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	Bromomethane				
		Carbon tetrachloride				
		Chlorobenzene				
		Chloroform				
		Chloromethane				
		Cis-1,3-Dichloropropylene				
		Dibromochloromethane				
		Ethylene dibromide				
		Methylene chloride				
		Tetrachloroethylene (Perchloroethylene)				
		Trans-1,2-Dichloroethylene				
		Trans-1,3-Dichloropropylene				
		Trichloroethylene				
		Trichlorofluoromethane	XXX	XXX		
		Vinyl chloride (Chloroethylene)				
19	Extractables, Base Neutral (but see subsection 15(4))	Acenaphthene				
		5-nitro Acenaphthene				
		Acenaphthylene				
		Anthracene				
		Benz(a)anthracene				
		Benzo(a)pyrene				
		Benzo(b)fluoranthene				
		Benzo(g,h,i)perylene				
		Benzo(k)fluoranthene				
		Biphenyl				
		Camphene				
		1-Chloronaphthalene				
		2-Chloronaphthalene				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Equipment Cleaning Effluent	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral (but see subsection 15(4)) (continued)	Chrysene				
		Dibenz(a,h)anthracene				
		Fluoranthene				
		Fluorene				
		Indeno(1,2,3-cd)pyrene				
		Indole				
		1-Methylnaphthalene				
		2-Methylnaphthalene				
		Naphthalene				
		Perylene				
		Phenanthrene				
		Pyrene				
		Benzyl butyl phthalate				
		Bis(2-ethylhexyl) phthalate				
		Di-n-butyl phthalate				
		4-Bromophenyl phenyl ether				
		4-Chlorophenyl phenyl ether				
		Bis(2-chloroisopropyl)ether				
		Bis(2-chloroethyl)ether				
		Diphenyl ether				
		2,4-Dinitrotoluene				
		2,6-Dinitrotoluene				
		Bis(2-chloroethoxy)methane				
		Diphenylamine				
		N-Nitrosodiphenylamine				
		N-Nitrosodi-n-propylamine				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Equipment Cleaning Effluent	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				
		1,2,3,5-Tetrachlorobenzene				
		1,2,4,5-Tetrachlorobenzene				
		1,2,3-Trichlorobenzene				
		1,2,4-Trichlorobenzene		XXX	XXX	
		2,4,5-Trichlorotoluene				
		Hexachlorobenzene				
		Hexachlorobutadiene		XXX		
		Hexachlorocyclopentadiene				
		Hexachloroethane				
		Octachlorostyrene				
		Pentachlorobenzene				
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans (but see subsection 15(4))	2,3,7,8-Tetrachlorodibenzo-p-dioxin				
		Octachlorodibenzo-p-dioxin				
		Octachlorodibenzofuran				
		Total heptachlorinated dibenzo-p-dioxins				
		Total heptachlorinated dibenzofurans				
		Total hexachlorinated dibenzo-p-dioxins				
		Total hexachlorinated dibenzofurans				
		Total pentachlorinated dibenzo-p-dioxins				
		Total pentachlorinated dibenzofurans				
		Total tetrachlorinated dibenzo-p-dioxins				
		Total tetrachlorinated dibenzofurans				
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)		XXX		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE A - FOSSIL FUELLED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Equipment Cleaning Effluent	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
E1	Metals	Iron	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE B - HYDRAULIC POWERED GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Transformer Yard Drain	Unnamed
		STREAM TYPE:	Once Through Cooling Water	Storm Water	Potentially Contaminated Building Effluent
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium		XXX	
		Total Kjeldahl nitrogen		XXX	
4b		Nitrate + Nitrite		XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum		XXX	XXX
		Beryllium			XXX
		Boron			
		Cadmium		XXX	
		Chromium			XXX
		Cobalt			XXX
		Copper		XXX	XXX
		Lithium			
		Lead			XXX
		Molybdenum		XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE B - HYDRAULIC POWERED GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Transformer Yard Drain	Unnamed
		STREAM TYPE:	Once Through Cooling Water	Storm Water	Potentially Contaminated Building Effluent
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Nickel			XXX
		Silver			
		Strontium			
		Thallium			
		Vanadium			XXX
		Zinc		XXX	XXX
10	Hydrides	Antimony			
		Arsenic		XXX	
		Selenium			
14	Phenolics (4AAP)	Phenolics (4AAP)		XXX	XXX
17	Volatiles, Non-Halogenated (but see subsection 15(5))	Benzene			
		Styrene			
		Toluene			
		o-Xylene			
		m-Xylene and p-Xylene			
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol			
		2,3,4,6-Tetrachlorophenol			
		2,3,5,6-Tetrachlorophenol			
		2,3,4-Trichlorophenol			
		2,3,5-Trichlorophenol			
		2,4,5-Trichlorophenol			
		2,4,6-Trichlorophenol			
		2,4-Dimethylphenol			
		2,4-Dinitrophenol			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE B - HYDRAULIC POWERED GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Transformer Yard Drain	Unnamed
		STREAM TYPE:	Once Through Cooling Water	Storm Water	Potentially Contaminated Building Effluent
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
20	Extractables, Acid (Phenolics) (continued)	2,4-Dichlorophenol			
		2,6-Dichlorophenol			
		4,6-Dinitro-o-cresol			
		2-Chlorophenol			
		4-Chloro-3-methylphenol			
		4-Nitrophenol			
		m-Cresol			
		o-Cresol			
		p-Cresol			
		Pentachlorophenol			
		Phenol		XXX	
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX
27	Polychlorinated Biphenyls	(PCBs) (Total)	XXX	XXX	
E1	Metals	Iron			XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Radioactive Liquid Waste Management Tanks				Unnamed			
		STREAM TYPE:	Process Effluent				Batch Discharge Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX			
4a	Nitrogen (but see subsections 8(4) and 9(4))	Ammonia plus Ammonium			XXX				XXX			XXX		
		Total Kjeldahl nitrogen			XXX				XXX				XXX	
4b		Nitrate + Nitrite		XXX						XXX				XXX
5a	Organic carbon (but see subsections 8(5) and 9(5))	Dissolved organic carbon (DOC)		XXX				XXX				XXX		
5b		Total organic carbon (TOC) (NOTE 1)		XXX				XXX				XXX		
6	Total phosphorus	Total phosphorus			XXX			XXX						
7	Specific conductance	Specific conductance	XXX				XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)		XXX				XXX				XXX		
		Volatile suspended solids (VSS)												
9	Total metals (but see subsection 9(6))	Aluminum			XXX				XXX				XXX	
		Beryllium				XXX				XXX				XXX
		Boron				XXX				XXX				XXX
		Cadmium				XXX				XXX				XXX
		Chromium			XXX					XXX			XXX	
		Cobalt				XXX				XXX			XXX	
		Copper		XXX				XXX				XXX		
		Lead			XXX					XXX				XXX
		Lithium				XXX				XXX				XXX
		Molybdenum			XXX					XXX			XXX	
		Nickel			XXX					XXX			XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Radioactive Liquid Waste Management Tanks				Unnamed			
		STREAM TYPE:	Process Effluent				Batch Discharge Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (but see subsection 9(6)) (continued)	Silver				XXX				XXX				XXX
		Strontium			XXX					XXX				XXX
		Thallium				XXX				XXX				XXX
		Vanadium				XXX				XXX				XXX
		Zinc		XXX				XXX				XXX		
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)			XXX					XXX			XXX	
12	Mercury	Mercury												
14	Phenolics (4AAP)	Phenolics (4AAP)											XXX	
15	Sulphide	Sulphide							XXX					
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX				XXX				
		1,1,2-Trichloroethane				XXX				XXX				
		1,1-Dichloroethane				XXX				XXX				
		1,1-Dichloroethylene				XXX				XXX				
		1,2-Dichlorobenzene				XXX				XXX				
		1,2-Dichloroethane (Ethylene dichloride)				XXX				XXX				
		1,2-Dichloropropane				XXX				XXX				
		1,3-Dichlorobenzene				XXX				XXX				
		1,4-Dichlorobenzene				XXX				XXX				
		Bromodichloromethane				XXX				XXX				
		Bromoform				XXX				XXX				
		Bromomethane				XXX				XXX				
		Carbon tetrachloride				XXX				XXX				
		Chlorobenzene				XXX				XXX				
		Chloroform			XXX				XXX					

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Radioactive Liquid Waste Management Tanks				Unnamed			
		STREAM TYPE:	Process Effluent				Batch Discharge Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
16	Volatiles, Halogenated (continued)	Chloromethane				XXX				XXX				
		Cis-1,3-Dichloropropylene				XXX				XXX				
		Dibromochloromethane			XXX					XXX				
		Ethylene dibromide				XXX				XXX				
		Methylene chloride				XXX				XXX				
		Tetrachloroethylene (Perchloroethylene)				XXX				XXX				
		Trans-1,2-Dichloroethylene				XXX				XXX				
		Trans-1,3-Dichloropropylene				XXX				XXX				
		Trichloroethylene				XXX				XXX				
		Trichlorofluoromethane				XXX				XXX				
		Vinyl chloride (Chloroethylene)				XXX				XXX				
19	Extractables, Base Neutral	Acenaphthene												
		5-nitro Acenaphthene												
		Acenaphthylene												
		Anthracene												
		Benz(a)anthracene												
		Benzo(a)pyrene												
		Benzo(b)fluoranthene												
		Benzo(g,h,i)perylene												
		Benzo(k)fluoranthene												
		Biphenyl												
		Camphene												
		1-Chloronaphthalene												
		2-Chloronaphthalene												
		Chrysene												
		Dibenz(a,h)anthracene												
		Fluoranthene												
		Fluorene												

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Radioactive Liquid Waste Management Tanks				Unnamed			
		STREAM TYPE:	Process Effluent				Batch Discharge Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
19	Extractables, Base Neutral (continued)	Indeno(1,2,3-cd)pyrene												
		Indole												
		1-Methylnaphthalene												
		2-Methylnaphthalene												
		Naphthalene												
		Perylene												
		Phenanthrene												
		Pyrene												
		Benzyl butyl phthalate												
		Bis(2-ethylhexyl) phthalate												
		Di-n-butyl phthalate												
		4-Bromophenyl phenyl ether												
		4-Chlorophenyl phenyl ether												
		Bis(2-chloroisopropyl)ether												
		Bis(2-chloroethyl)ether												
		Diphenyl Ether												
		2,4-Dinitrotoluene												
		2,6-Dinitrotoluene												
		Bis(2-chloroethoxy)methane												
		Diphenylamine												
		N-Nitrosodiphenylamine												
		N-Nitrosodi-n-propylamine												
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene								XXX				
		1,2,3,5-Tetrachlorobenzene								XXX				
		1,2,4,5-Tetrachlorobenzene							XXX					
		1,2,3-Trichlorobenzene								XXX				
		1,2,4-Trichlorobenzene								XXX				
		2,4,5-Trichlorotoluene								XXX				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Water Treatment Plant Neutralization Sump				Radioactive Liquid Waste Management Tanks				Unnamed			
		STREAM TYPE:	Process Effluent				Batch Discharge Effluent				Boiler Blowdown Effluent			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
23	Extractables, Neutral -Chlorinated (continued)	Hexachlorobenzene								XXX				
		Hexachlorobutadiene								XXX				
		Hexachlorocyclopentadiene								XXX				
		Hexachloroethane								XXX				
		Octachlorostyrene								XXX				
		Pentachlorobenzene								XXX				
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans (but see subsection 10(3))	2,3,7,8-Tetrachlorodibenzo-p-dioxin												
		Octachlorodibenzo-p-dioxin												
		Octachlorodibenzofuran												
		Total heptachlorinated dibenzo-p-dioxins												
		Total heptachlorinated dibenzofurans												
		Total hexachlorinated dibenzo-p-dioxins												
		Total hexachlorinated dibenzofurans												
		Total pentachlorinated dibenzo-p-dioxins												
		Total pentachlorinated dibenzofurans												
		Total tetrachlorinated dibenzo-p-dioxins												
		Total tetrachlorinated dibenzofurans												
25	Solvent Extractables	Oil and grease			XXX			XXX						XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)							XXX					
E1	Metals	Iron		XXX				XXX				XXX		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Event Discharge Effluent	Once Through Cooling Water	Equipment Cleaning Effluent	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium			XXX	
		Total Kjeldahl nitrogen		XXX	XXX	
4b		Nitrate + Nitrite		XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus		XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)	XXX			
9	Total metals	Aluminum		XXX	XXX	XXX
		Beryllium				
		Boron				
		Cadmium				
		Chromium		XXX	XXX	
		Cobalt				XXX
		Copper	XXX	XXX	XXX	XXX
		Lead		XXX		
		Lithium				
		Molybdenum		XXX	XXX	XXX
		Nickel		XXX	XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Event Discharge Effluent	Once Through Cooling Water	Equipment Cleaning Effluent	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Silver				
		Strontium				
		Thallium				
		Vanadium		XXX	XXX	
		Zinc	XXX	XXX	XXX	XXX
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)		XXX	XXX	
12	Mercury	Mercury				
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX		XXX	XXX
15	Sulphide	Sulphide				
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				
		1,1,2-Trichloroethane				
		1,1-Dichloroethane				
		1,1-Dichloroethylene				
		1,2-Dichlorobenzene				
		1,2-Dichloroethane (Ethylene dichloride)				
		1,2-Dichloropropane				
		1,3-Dichlorobenzene				
		1,4-Dichlorobenzene				
		Bromodichloromethane				
		Bromoform				
		Bromomethane				
		Carbon tetrachloride				
		Chlorobenzene				
		Chloroform				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Event Discharge Effluent	Once Through Cooling Water	Equipment Cleaning Effluent	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	Chloromethane				
		Cis-1,3-Dichloropropylene				
		Dibromochloromethane				
		Ethylene dibromide				
		Methylene chloride				
		Tetrachloroethylene (Perchloroethylene)				
		Trans-1,2-Dichloroethylene				
		Trans-1,3-Dichloropropylene				
		Trichloroethylene				
		Trichlorofluoromethane				
		Vinyl chloride (Chloroethylene)				
19	Extractables, Base Neutral	Acenaphthene				
		5-nitro Acenaphthene				
		Acenaphthylene				
		Anthracene				
		Benz(a)anthracene				
		Benzo(a)pyrene				
		Benzo(b)fluoranthene				
		Benzo(g,h,i)perylene				
		Benzo(k)fluoranthene				
		Biphenyl				
		Camphene				
		1-Chloronaphthalene				
		2-Chloronaphthalene				
		Chrysene				
		Dibenz(a,h)anthracene				
		Fluoranthene				
		Fluorene				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Event Discharge Effluent	Once Through Cooling Water	Equipment Cleaning Effluent	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral (continued)	Indeno(1,2,3-cd)pyrene				
		Indole				
		1-Methylnaphthalene				
		2-Methylnaphthalene				
		Naphthalene				
		Perylene				
		Phenanthrene				
		Pyrene				
		Benzyl butyl phthalate				
		Bis(2-ethylhexyl) phthalate				
		Di-n-butyl phthalate				
		4-Bromophenyl phenyl ether				
		4-Chlorophenyl phenyl ether				
		Bis(2-chloroisopropyl)ether				
		Bis(2-chloroethyl)ether				
		Diphenyl Ether				
		2,4-Dinitrotoluene				
		2,6-Dinitrotoluene				
		Bis(2-chloroethoxy)methane				
		Diphenylamine				
		N-Nitrosodiphenylamine				
		N-Nitrosodi-n-propylamine				
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				
		1,2,3,5-Tetrachlorobenzene				
		1,2,4,5-Tetrachlorobenzene				
		1,2,3-Trichlorobenzene			XXX	
		1,2,4-Trichlorobenzene				
		2,4,5-Trichlorotoluene				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Oily Water Separator	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Event Discharge Effluent	Once Through Cooling Water	Equipment Cleaning Effluent	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
23	Extractables, Neutral -Chlorinated (continued)	Hexachlorobenzene				
		Hexachlorobutadiene				
		Hexachlorocyclopentadiene				
		Hexachloroethane				
		Octachlorostyrene				
		Pentachlorobenzene				
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin				
		Octachlorodibenzo-p-dioxin				
		Octachlorodibenzofuran				
		Total heptachlorinated dibenzo-p-dioxins				
		Total heptachlorinated dibenzofurans				
		Total hexachlorinated dibenzo-p-dioxins				
		Total hexachlorinated dibenzofurans				
		Total pentachlorinated dibenzo-p-dioxins				
		Total pentachlorinated dibenzofurans				
		Total tetrachlorinated dibenzo-p-dioxins				
		Total tetrachlorinated dibenzofurans				
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				XXX
E1	Metals	Iron	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	XXX	
		Beryllium		
		Boron		
		Cadmium	XXX	
		Chromium	XXX	
		Cobalt	XXX	
		Copper	XXX	XXX
		Lead		
		Lithium		
		Molybdenum	XXX	
		Nickel	XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**		
9	Total metals (continued)	Silver		
		Strontium		
		Thallium		
		Vanadium		
		Zinc	XXX	XXX
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)	XXX	
12	Mercury	Mercury	XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	
15	Sulphide	Sulphide		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane		
		1,1,2-Trichloroethane		
		1,1-Dichloroethane		
		1,1-Dichloroethylene		
		1,2-Dichlorobenzene		
		1,2-Dichloroethane (Ethylene dichloride)		
		1,2-Dichloropropane		
		1,3-Dichlorobenzene		
		1,4-Dichlorobenzene		
		Bromodichloromethane		
		Bromoform		
		Bromomethane		
		Carbon tetrachloride		
		Chlorobenzene		
		Chloroform		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
16	Volatiles, Halogenated (continued)	Chloromethane		
		Cis-1,3-Dichloropropylene		
		Dibromochloromethane		
		Ethylene dibromide		
		Methylene chloride		
		Tetrachloroethylene (Perchloroethylene)		
		Trans-1,2-Dichloroethylene		
		Trans-1,3-Dichloropropylene		
		Trichloroethylene		
		Trichlorofluoromethane		
		Vinyl chloride (Chloroethylene)		
19	Extractables, Base Neutral	Acenaphthene		
		5-nitro Acenaphthene		
		Acenaphthylene		
		Anthracene		
		Benz(a)anthracene		
		Benzo(a)pyrene		
		Benzo(b)fluoranthene		
		Benzo(g,h,i)perylene		
		Benzo(k)fluoranthene		
		Biphenyl		
		Camphene		
		1-Chloronaphthalene		
		2-Chloronaphthalene		
		Chrysene		
		Dibenz(a,h)anthracene		
		Fluoranthene		
		Fluorene		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
19	Extractables, Base Neutral (continued)	Indeno(1,2,3-cd)pyrene		
		Indole		
		1-Methylnaphthalene		
		2-Methylnaphthalene		
		Naphthalene		
		Perylene		
		Phenanthrene		
		Pyrene		
		Benzyl butyl phthalate		
		Bis(2-ethylhexyl) phthalate		
		Di-n-butyl phthalate		
		4-Bromophenyl phenyl ether		
		4-Chlorophenyl phenyl ether		
		Bis(2-chloroisopropyl)ether		
		Bis(2-chloroethyl)ether		
		Diphenyl Ether		
		2,4-Dinitrotoluene		
		2,6-Dinitrotoluene		
		Bis(2-chloroethoxy)methane		
		Diphenylamine		
		N-Nitrosodiphenylamine		
		N-Nitrosodi-n-propylamine		
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene		
		1,2,3,5-Tetrachlorobenzene		
		1,2,4,5-Tetrachlorobenzene		
		1,2,3-Trichlorobenzene		
		1,2,4-Trichlorobenzene		
		2,4,5-Trichlorotoluene		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE C - NUCLEAR POWERED THERMAL GENERATING STATIONS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
23	Extractables, Neutral -Chlorinated (continued)	Hexachlorobenzene		
		Hexachlorobutadiene		
		Hexachlorocyclopentadiene		
		Hexachloroethane		
		Octachlorostyrene		
		Pentachlorobenzene		
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin		
		Octachlorodibenzo-p-dioxin		
		Octachlorodibenzofuran		
		Total heptachlorinated dibenzo-p-dioxins		
		Total heptachlorinated dibenzofurans		
		Total hexachlorinated dibenzo-p-dioxins		
		Total hexachlorinated dibenzofurans		
		Total pentachlorinated dibenzo-p-dioxins		
		Total pentachlorinated dibenzofurans		
		Total tetrachlorinated dibenzo-p-dioxins		
		Total tetrachlorinated dibenzofurans		
25	Solvent Extractables	Oil and grease	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)		
E1	Metals	Iron	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE D - BRUCE HEAVY WATER PLANTS

		NAME OF EFFLUENT STREAM:	Bruce Heavy Water Plant Effluent				Effluent Lagoon	Unnamed	Drain Lagoon	Carbonated Equipment Drain
		STREAM TYPE:	Process Effluent				Event Discharge Effluent	Once Through Cooling Water	Storm Water	Equipment Cleaning Effluent
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium				XXX			XXX	
		Total Kjeldahl nitrogen				XXX			XXX	
4b		Nitrate + Nitrite				XXX		XXX	XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX			XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)				XXX	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus						XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX				XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)				XXX	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)								
9	Total metals	Aluminum			XXX		XXX	XXX	XXX	
		Beryllium				XXX				
		Boron				XXX				
		Cadmium				XXX				
		Chromium				XXX				
		Cobalt				XXX	XXX	XXX		
		Copper				XXX		XXX	XXX	XXX
		Lead				XXX				
		Lithium				XXX				
		Molybdenum				XXX	XXX	XXX		
		Nickel				XXX				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE D - BRUCE HEAVY WATER PLANTS

		NAME OF EFFLUENT STREAM:	Bruce Heavy Water Plant Effluent				Effluent Lagoon	Unnamed	Drain Lagoon	Carbonated Equipment Drain
		STREAM TYPE:	Process Effluent				Event Discharge Effluent	Once Through Cooling Water	Storm Water	Equipment Cleaning Effluent
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
9	Total metals (continued)	Silver				XXX				
		Strontium				XXX				
		Thallium				XXX				
		Vanadium				XXX		XXX		
		Zinc				XXX		XXX	XXX	XXX
12	Mercury	Mercury					XXX			
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX		XXX		
15	Sulphide	Sulphide	XXX				XXX			XXX
25	Solvent Extractables	Oil and grease		XXX			XXX	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				XXX	XXX	XXX	XXX	
E1	Metals	Iron				XXX			XXX	XXX
E3	Diethanolamine	Diethanolamine					XXX			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE D - BRUCE HEAVY WATER PLANTS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX		XXX
		Total Kjeldahl nitrogen			XXX
4b		Nitrate + Nitrite			XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum			
		Beryllium			
		Boron			
		Cadmium			
		Chromium			
		Cobalt			
		Copper	XXX	XXX	XXX
		Lead			
		Lithium			
		Molybdenum			
		Nickel			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE D - BRUCE HEAVY WATER PLANTS

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Potentially Contaminated Building Effluent	Emergency Overflow
		FREQUENCY OF SAMPLING:	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Silver			
		Strontium			
		Thallium			
		Vanadium			
		Zinc	XXX	XXX	XXX
12	Mercury	Mercury			
14	Phenolics (4AAP)	Phenolics (4AAP)			
15	Sulphide	Sulphide			XXX
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)	XXX		
E1	Metals	Iron	XXX	XXX	XXX
E3	Diethanolamine	Diethanolamine			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Condensate Plant Water Treatment Plant				Steam Transformer Plant "O"			
		STREAM TYPE:	Process Effluent				Process Effluent				Combined Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium		XXX						XXX			XXX	
		Total Kjeldahl nitrogen		XXX					XXX				XXX	
4b		Nitrate + Nitrite		XXX					XXX					XXX
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX				XXX				XXX		
5b		Total organic carbon (TOC) (NOTE 1)		XXX				XXX				XXX		
6	Total phosphorus	Total phosphorus		XXX						XXX				XXX
7	Specific conductance	Specific conductance	XXX				XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX					XXX				XXX		
		Volatile suspended solids (VSS)		XXX										
9	Total metals	Aluminum			XXX				XXX					XXX
		Beryllium				XXX				XXX				XXX
		Boron				XXX				XXX				XXX
		Cadmium				XXX				XXX				XXX
		Chromium			XXX					XXX				XXX
		Cobalt			XXX				XXX					XXX
		Copper		XXX				XXX				XXX		
		Lead				XXX				XXX				XXX
		Lithium				XXX				XXX				XXX
		Molybdenum			XXX					XXX				XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Condensate Plant Water Treatment Plant				Steam Transformer Plant "O"			
		STREAM TYPE:	Process Effluent				Process Effluent				Combined Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Nickel			XXX					XXX				XXX
		Silver				XXX				XXX				XXX
		Strontium				XXX				XXX				XXX
		Thallium				XXX				XXX				XXX
		Vanadium			XXX					XXX				XXX
		Zinc		XXX				XXX				XXX		
10	Hydrides	Antimony												
		Arsenic												
		Selenium												
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)			XXX					XXX				XXX
12	Mercury	Mercury			XXX									
14	Phenolics (4AAP)	Phenolics (4AAP)											XXX	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX				XXX				
		1,1,2-Trichloroethane				XXX				XXX				
		1,1-Dichloroethane				XXX				XXX				
		1,1-Dichloroethylene				XXX				XXX				
		1,2-Dichlorobenzene				XXX				XXX				
		1,2-Dichloroethane (Ethylene dichloride)				XXX				XXX				
		1,2-Dichloropropane				XXX				XXX				
		1,3-Dichlorobenzene				XXX				XXX				
		1,4-Dichlorobenzene				XXX				XXX				
		Bromodichloromethane				XXX				XXX				
		Bromoform				XXX				XXX				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Condensate Plant Water Treatment Plant				Steam Transformer Plant "O"			
		STREAM TYPE:	Process Effluent				Process Effluent				Combined Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
16	Volatiles, Halogenated (continued)	Bromomethane				XXX				XXX				
		Carbon tetrachloride				XXX				XXX				
		Chlorobenzene				XXX				XXX				
		Chloroform			XXX					XXX				
		Chloromethane				XXX				XXX				
		Cis-1,3-Dichloropropylene				XXX				XXX				
		Dibromochloromethane				XXX				XXX				
		Ethylene dibromide				XXX				XXX				
		Methylene chloride				XXX				XXX				
		Tetrachloroethylene (Perchloroethylene)				XXX				XXX				
		Trans-1,2-Dichloroethylene				XXX				XXX				
		Trans-1,3-Dichloropropylene				XXX				XXX				
		Trichloroethylene				XXX				XXX				
		Trichlorofluoromethane				XXX			XXX					
		Vinyl chloride (Chloroethylene)				XXX				XXX				
17	Volatiles, Non-Halogenated	Benzene								XXX				
		Ethylbenzene								XXX				
		Styrene								XXX				
		Toluene							XXX					
		o-Xylene								XXX				
		m-Xylene and p-Xylene								XXX				
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin								XXX				
		Octachlorodibenzo-p-dioxin								XXX				
		Octachlorodibenzofuran								XXX				
		Total heptachlorinated dibenzo-p-dioxins								XXX				
		Total heptachlorinated dibenzofurans								XXX				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Condensate Plant Water Treatment Plant				Steam Transformer Plant "O"			
		STREAM TYPE:	Process Effluent				Process Effluent				Combined Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans (continued)	Total hexachlorinated dibenzo-p-dioxins								XXX				
		Total hexachlorinated dibenzofurans								XXX				
		Total pentachlorinated dibenzo-p-dioxins								XXX				
		Total pentachlorinated dibenzofurans								XXX				
		Total tetrachlorinated dibenzo-p-dioxins								XXX				
		Total tetrachlorinated dibenzofurans								XXX				
25	Solvent Extractables	Oil and grease				XXX			XXX				XXX	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)												XXX
E1	Metals	Iron		XXX				XXX				XXX		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Steam Transformer Plant "A"				Bruce Nuclear Waste Storage Site	Unnamed	Unnamed
		STREAM TYPE:	Combined Effluent				Waste Disposal Site Effluent	Once Through Cooling Water	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No				No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium			XXX		XXX		XXX
		Total Kjeldahl nitrogen			XXX		XXX		
4b		Nitrate + Nitrite				XXX	XXX		
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX			XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)		XXX			XXX	XXX	XXX
6	Total phosphorus	Total phosphorus				XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX				XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)		XXX			XXX	XXX	XXX
		Volatile suspended solids (VSS)							
9	Total metals	Aluminum				XXX		XXX	
		Beryllium				XXX		XXX	
		Boron				XXX		XXX	
		Cadmium				XXX		XXX	
		Chromium				XXX		XXX	
		Cobalt				XXX		XXX	
		Copper		XXX			XXX	XXX	XXX
		Lead				XXX		XXX	
		Lithium				XXX		XXX	
		Molybdenum				XXX		XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Steam Transformer Plant "A"				Bruce Nuclear Waste Storage Site	Unnamed	Unnamed
		STREAM TYPE:	Combined Effluent				Waste Disposal Site Effluent	Once Through Cooling Water	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No				No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
9	Total metals (continued)	Nickel				XXX		XXX	
		Silver				XXX		XXX	
		Strontium				XXX		XXX	
		Thallium				XXX		XXX	
		Vanadium				XXX		XXX	XXX
		Zinc		XXX			XXX	XXX	XXX
10	Hydrides	Antimony							
		Arsenic							
		Selenium							
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)				XXX		XXX	
12	Mercury	Mercury							
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX		XXX	XXX	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane							
		1,1,2-Trichloroethane							
		1,1-Dichloroethane							
		1,1-Dichloroethylene							
		1,2-Dichlorobenzene							
		1,2-Dichloroethane (Ethylene dichloride)							
		1,2-Dichloropropane							
		1,3-Dichlorobenzene							
		1,4-Dichlorobenzene							
		Bromodichloromethane							
		Bromoform							

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Steam Transformer Plant "A"				Bruce Nuclear Waste Storage Site	Unnamed	Unnamed
		STREAM TYPE:	Combined Effluent				Waste Disposal Site Effluent	Once Through Cooling Water	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No				No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**							
16	Volatiles, Halogenated (continued)	Bromomethane							
		Carbon tetrachloride							
		Chlorobenzene							
		Chloroform							
		Chloromethane							
		Cis-1,3-Dichloropropylene							
		Dibromochloromethane							
		Ethylene dibromide							
		Methylene chloride							
		Tetrachloroethylene (Perchloroethylene)							
		Trans-1,2-Dichloroethylene							
		Trans-1,3-Dichloropropylene							
		Trichloroethylene							
		Trichlorofluoromethane							
		Vinyl chloride (Chloroethylene)							
17	Volatiles, Non-Halogenated	Benzene							
		Ethylbenzene							
		Styrene							
		Toluene							
		o-Xylene							
		m-Xylene and p-Xylene							
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin							
		Octachlorodibenzo-p-dioxin							
		Octachlorodibenzofuran							
		Total heptachlorinated dibenzo-p-dioxins							
		Total heptachlorinated dibenzofurans							

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Steam Transformer Plant "A"				Bruce Nuclear Waste Storage Site	Unnamed	Unnamed
		STREAM TYPE:	Combined Effluent				Waste Disposal Site Effluent	Once Through Cooling Water	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No				No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans (continued)	Total hexachlorinated dibenzo-p-dioxins							
		Total hexachlorinated dibenzofurans							
		Total pentachlorinated dibenzo-p-dioxins							
		Total pentachlorinated dibenzofurans							
		Total tetrachlorinated dibenzo-p-dioxins							
		Total tetrachlorinated dibenzofurans							
25	Solvent Extractables	Oil and grease			XXX		XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				XXX		XXX	
E1	Metals	Iron		XXX			XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Potentially Contaminated Building Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	XXX	
		Beryllium	XXX	
		Boron		
		Cadmium		
		Chromium	XXX	
		Cobalt	XXX	
		Copper	XXX	XXX
		Lead		
		Lithium		
		Molybdenum	XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Potentially Contaminated Building Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Nickel	XXX	
		Silver		
		Strontium		
		Thallium		
		Vanadium	XXX	
		Zinc	XXX	XXX
10	Hydrides	Antimony		
		Arsenic		
		Selenium		
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)		
12	Mercury	Mercury		
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane		
		1,1,2-Trichloroethane		
		1,1-Dichloroethane		
		1,1-Dichloroethylene		
		1,2-Dichlorobenzene		
		1,2-Dichloroethane (Ethylene dichloride)		
		1,2-Dichloropropane		
		1,3-Dichlorobenzene		
		1,4-Dichlorobenzene		
		Bromodichloromethane		
		Bromoform		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Potentially Contaminated Building Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
16	Volatiles, Halogenated (continued)	Bromomethane		
		Carbon tetrachloride		
		Chlorobenzene		
		Chloroform		
		Chloromethane		
		Cis-1,3-Dichloropropylene		
		Dibromochloromethane		
		Ethylene dibromide		
		Methylene chloride		
		Tetrachloroethylene (Perchloroethylene)		
		Trans-1,2-Dichloroethylene		
		Trans-1,3-Dichloropropylene		
		Trichloroethylene		
		Trichlorofluoromethane		
		Vinyl chloride (Chloroethylene)		
17	Volatiles, Non-Halogenated	Benzene		
		Ethylbenzene		
		Styrene		
		Toluene		
		o-Xylene		
		m-Xylene and p-Xylene		
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin		
		Octachlorodibenzo-p-dioxin		
		Octachlorodibenzofuran		
		Total heptachlorinated dibenzo-p-dioxins		
		Total heptachlorinated dibenzofurans		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE E - BRUCE NUCLEAR POWER DEVELOPMENT SERVICES

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Potentially Contaminated Building Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans (continued)	Total hexachlorinated dibenzo-p-dioxins		
		Total hexachlorinated dibenzofurans		
		Total pentachlorinated dibenzo-p-dioxins		
		Total pentachlorinated dibenzofurans		
		Total tetrachlorinated dibenzo-p-dioxins		
		Total tetrachlorinated dibenzofurans		
25	Solvent Extractables	Oil and grease	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)	XXX	
E1	Metals	Iron	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Unnamed				Water Treatment Plant			
		STREAM TYPE:	Process Effluent				Boiler Blowdown Effluent				Process Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX			
4a	Nitrogen (but see subsections 8(4) and 9(4))	Ammonia plus Ammonium		XXX				XXX						XXX
		Total Kjeldahl nitrogen		XXX					XXX				XXX	
4b		Nitrate + Nitrite		XXX					XXX				XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX				XXX				XXX		
5b		Total organic carbon (TOC) (NOTE 1)		XXX				XXX				XXX		
6	Total phosphorus	Total phosphorus		XXX				XXX					XXX	
7	Specific conductance	Specific conductance	XXX				XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX					XXX					XXX	
		Volatile suspended solids (VSS)		XXX										
9	Total metals	Aluminum			XXX				XXX				XXX	
		Beryllium				XXX				XXX				XXX
		Boron				XXX				XXX				XXX
		Cadmium				XXX				XXX				XXX
		Chromium			XXX				XXX					XXX
		Cobalt			XXX				XXX					XXX
		Copper		XXX				XXX				XXX		
		Lead				XXX		XXX						XXX
		Lithium				XXX				XXX				XXX
		Molybdenum			XXX				XXX					XXX
		Nickel			XXX					XXX				XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Unnamed				Water Treatment Plant			
		STREAM TYPE:	Process Effluent				Boiler Blowdown Effluent				Process Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Silver				XXX				XXX				XXX
		Strontium				XXX				XXX				XXX
		Thallium				XXX				XXX				XXX
		Vanadium				XXX				XXX				XXX
		Zinc		XXX				XXX				XXX		
10	Hydrides	Antimony				XXX				XXX				
		Arsenic				XXX			XXX					
		Selenium				XXX				XXX				
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)			XXX				XXX					XXX
12	Mercury	Mercury			XXX				XXX				XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)		XXX					XXX					XXX
15	Sulphide	Sulphide												
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX								XXX
		1,1,2-Trichloroethane				XXX								XXX
		1,1-Dichloroethane				XXX								XXX
		1,1-Dichloroethylene				XXX								XXX
		1,2-Dichlorobenzene				XXX								XXX
		1,2-Dichloroethane (Ethylene dichloride)				XXX								XXX
		1,2-Dichloropropane				XXX								XXX
		1,3-Dichlorobenzene				XXX								XXX
		1,4-Dichlorobenzene				XXX								XXX
		Bromodichloromethane				XXX								XXX
		Bromoform				XXX								XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Unnamed				Water Treatment Plant			
		STREAM TYPE:	Process Effluent				Boiler Blowdown Effluent				Process Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
16	Volatiles, Halogenated (continued)	Bromomethane				XXX								XXX
		Carbon tetrachloride				XXX								XXX
		Chlorobenzene				XXX								XXX
		Chloroform		XXX									XXX	
		Chloromethane				XXX								XXX
		Cis-1,3-Dichloropropylene				XXX								XXX
		Dibromochloromethane			XXX								XXX	
		Ethylene dibromide				XXX								XXX
		Methylene chloride				XXX								XXX
		Tetrachloroethylene (Perchloroethylene)				XXX								XXX
		Trans-1,2-Dichloroethylene				XXX								XXX
		Trans-1,3-Dichloropropylene				XXX								XXX
		Trichloroethylene				XXX								XXX
		Trichlorofluoromethane				XXX								XXX
		Vinyl chloride (Chloroethylene)				XXX								XXX
17	Volatiles, Non-Halogenated	Benzene				XXX								
		Ethylbenzene				XXX								
		Styrene				XXX								
		Toluene			XXX									
		o-Xylene				XXX								
		m-Xylene and p-Xylene				XXX								
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				XXX								
		2,3,4,6-Tetrachlorophenol				XXX								
		2,3,5,6-Tetrachlorophenol				XXX								
		2,3,4-Trichlorophenol				XXX								
		2,3,5-Trichlorophenol				XXX								
		2,4,5-Trichlorophenol				XXX								

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Sewage Treatment Plant				Unnamed				Water Treatment Plant			
		STREAM TYPE:	Process Effluent				Boiler Blowdown Effluent				Process Effluent			
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
20	Extractables, Acid (Phenolics) (continued)	2,4,6-Trichlorophenol				XXX								
		2,4-Dimethyl phenol				XXX								
		2,4-Dinitrophenol				XXX								
		2,4-Dichlorophenol				XXX								
		2,6-Dichlorophenol				XXX								
		4,6-Dinitro-o-cresol				XXX								
		2-Chlorophenol				XXX								
		4-Chloro-3-methylphenol				XXX								
		4-Nitrophenol				XXX								
		m-Cresol				XXX								
		o-Cresol				XXX								
		p-Cresol				XXX								
		Pentachlorophenol				XXX								
		Phenol			XXX									
25	Solvent Extractables	Oil and grease		XXX					XXX				XXX	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)			XXX									
E1	Metals	Iron		XXX				XXX				XXX		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Tank 2	Tank 4	Site Lagoons
		STREAM TYPE:	Once Through Cooling Water	Equipment Cleaning Effluent	Equipment Cleaning Effluent	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium				
		Total Kjeldahl nitrogen	XXX	XXX		XXX
4b		Nitrate + Nitrite	XXX	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum	XXX	XXX	XXX	XXX
		Beryllium				
		Boron		XXX	XXX	XXX
		Cadmium				XXX
		Chromium	XXX	XXX	XXX	XXX
		Cobalt		XXX		XXX
		Copper	XXX	XXX	XXX	XXX
		Lead	XXX		XXX	
		Lithium				
		Molybdenum	XXX	XXX		XXX
		Nickel	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Tank 2	Tank 4	Site Lagoons
		STREAM TYPE:	Once Through Cooling Water	Equipment Cleaning Effluent	Equipment Cleaning Effluent	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Silver				
		Strontium				
		Thallium				
		Vanadium	XXX	XXX		
		Zinc	XXX	XXX	XXX	XXX
10	Hydrides	Antimony		XXX	XXX	
		Arsenic		XXX	XXX	
		Selenium				
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)	XXX	XXX	XXX	XXX
12	Mercury	Mercury			XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)		XXX	XXX	
15	Sulphide	Sulphide				
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				
		1,1,2-Trichloroethane				
		1,1-Dichloroethane				
		1,1-Dichloroethylene				
		1,2-Dichlorobenzene				
		1,2-Dichloroethane (Ethylene dichloride)				
		1,2-Dichloropropane				
		1,3-Dichlorobenzene				
		1,4-Dichlorobenzene				
		Bromodichloromethane				
		Bromoform				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Tank 2	Tank 4	Site Lagoons
		STREAM TYPE:	Once Through Cooling Water	Equipment Cleaning Effluent	Equipment Cleaning Effluent	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
16	Volatiles, Halogenated (continued)	Bromomethane				
		Carbon tetrachloride				
		Chlorobenzene				
		Chloroform		XXX	XXX	
		Chloromethane				
		Cis-1,3-Dichloropropylene				
		Dibromochloromethane				
		Ethylene dibromide				
		Methylene chloride				
		Tetrachloroethylene (Perchloroethylene)				
		Trans-1,2-Dichloroethylene				
		Trans-1,3-Dichloropropylene				
		Trichloroethylene				
		Trichlorofluoromethane				
		Vinyl chloride (Chloroethylene)				
17	Volatiles, Non-Halogenated	Benzene				
		Ethylbenzene				
		Styrene				
		Toluene				
		o-Xylene				
		m-Xylene and p-Xylene				
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				
		2,3,4,6-Tetrachlorophenol				
		2,3,5,6-Tetrachlorophenol				
		2,3,4-Trichlorophenol				
		2,3,5-Trichlorophenol				
		2,4,5-Trichlorophenol				

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Tank 2	Tank 4	Site Lagoons
		STREAM TYPE:	Once Through Cooling Water	Equipment Cleaning Effluent	Equipment Cleaning Effluent	Equipment Cleaning Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
20	Extractables, Acid (Phenolics) (continued)	2,4,6-Trichlorophenol				
		2,4-Dimethyl phenol				
		2,4-Dinitrophenol				
		2,4-Dichlorophenol				
		2,6-Dichlorophenol				
		4,6-Dinitro-o-cresol				
		2-Chlorophenol				
		4-Chloro-3-methylphenol				
		4-Nitrophenol				
		m-Cresol				
		o-Cresol				
		p-Cresol				
		Pentachlorophenol				
		Phenol		XXX	XXX	XXX
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				
E1	Metals	Iron	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum	XXX	XXX	
		Beryllium			
		Boron			
		Cadmium			
		Chromium	XXX	XXX	
		Cobalt	XXX	XXX	
		Copper	XXX	XXX	XXX
		Lead			
		Lithium			
		Molybdenum	XXX	XXX	
		Nickel		XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	M	M	during .discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Silver			
		Strontium			
		Thallium			
		Vanadium			
		Zinc	XXX	XXX	XXX
10	Hydrides	Antimony			
		Arsenic			
		Selenium			
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)	XXX	XXX	
12	Mercury	Mercury			
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX	
15	Sulphide	Sulphide	XXX		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethylene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane (Ethylene dichloride)			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		Bromodichloromethane			
		Bromoform			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
16	Volatiles, Halogenated (continued)	Bromomethane			
		Carbon tetrachloride			
		Chlorobenzene			
		Chloroform			
		Chloromethane			
		Cis-1,3-Dichloropropylene			
		Dibromochloromethane			
		Ethylene dibromide			
		Methylene chloride			
		Tetrachloroethylene (Perchloroethylene)			
		Trans-1,2-Dichloroethylene			
		Trans-1,3-Dichloropropylene			
		Trichloroethylene			
		Trichlorofluoromethane			
		Vinyl chloride (Chloroethylene)			
17	Volatiles, Non-Halogenated	Benzene			
		Ethylbenzene			
		Styrene			
		Toluene			
		o-Xylene			
		m-Xylene and p-Xylene			
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol			
		2,3,4,6-Tetrachlorophenol			
		2,3,5,6-Tetrachlorophenol			
		2,3,4-Trichlorophenol			
		2,3,5-Trichlorophenol			
		2,4,5-Trichlorophenol			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE F - DARLINGTON NUCLEAR GENERATING STATION (under construction)

		NAME OF EFFLUENT STREAM:	Unnamed	Unnamed	Unnamed
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
20	Extractables, Acid (Phenolics) (continued)	2,4,6-Trichlorophenol			
		2,4-Dimethyl phenol			
		2,4-Dinitrophenol			
		2,4-Dichlorophenol			
		2,6-Dichlorophenol			
		4,6-Dinitro-o-cresol			
		2-Chlorophenol			
		4-Chloro-3-methylphenol			
		4-Nitrophenol			
		m-Cresol			
		o-Cresol			
		p-Cresol			
		Pentachlorophenol			
		Phenol			
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)			
E1	Metals	Iron	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Sanitary Sewer				Powerhouse Drain				Waste Treatment Centre				Unnamed
		STREAM TYPE:	Process Effluent				Combined Effluent				Batch Discharge Effluent				Once Through Cooling Water
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium			XXX					XXX		XXX			
		Total Kjeldahl nitrogen		XXX						XXX				XXX	
4b		Nitrate + Nitrite			XXX				XXX					XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX				XXX				XXX			XXX
5b		Total organic carbon (TOC) (NOTE 1)		XXX				XXX				XXX			XXX
6	Total phosphorus	Total phosphorus		XXX					XXX				XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX				XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX					XXX					XXX		XXX
		Volatile suspended solids (VSS)		XXX											
9	Total metals	Aluminum			XXX				XXX				XXX		XXX
		Beryllium				XXX				XXX				XXX	
		Boron				XXX				XXX				XXX	
		Cadmium				XXX				XXX				XXX	
		Chromium				XXX				XXX				XXX	
		Cobalt				XXX				XXX				XXX	
		Copper		XXX				XXX				XXX			XXX
		Lead			XXX					XXX				XXX	
		Lithium				XXX				XXX				XXX	
		Molybdenum				XXX				XXX				XXX	

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Sanitary Sewer				Powerhouse Drain				Waste Treatment Centre				Unnamed
		STREAM TYPE:	Process Effluent				Combined Effluent				Batch Discharge Effluent				Once Through Cooling Water
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
9	Total metals (continued)	Nickel			XXX					XXX				XXX	
		Silver				XXX				XXX				XXX	
		Strontium				XXX				XXX				XXX	
		Thallium				XXX				XXX				XXX	
		Vanadium				XXX				XXX				XXX	
		Zinc		XXX				XXX				XXX			XXX
10	Hydrides	Antimony													
		Arsenic													
		Selenium													
11	Chromium (Hexavalent)	Chromium (Hexavalent)				XXX				XXX				XXX	
12	Mercury	Mercury				XXX								XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)		XXX					XXX					XXX	XXX
15	Sulphide	Sulphide													
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX									
		1,1,2-Trichloroethane				XXX									
		1,1-Dichloroethane				XXX									
		1,1-Dichloroethylene				XXX									
		1,2-Dichlorobenzene				XXX									
		1,2-Dichloroethane (Ethylene dichloride)				XXX									
		1,2-Dichloropropane				XXX									
		1,3-Dichlorobenzene				XXX									
		1,4-Dichlorobenzene				XXX									

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Sanitary Sewer				Powerhouse Drain				Waste Treatment Centre				Unnamed
		STREAM TYPE:	Process Effluent				Combined Effluent				Batch Discharge Effluent				Once Through Cooling Water
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
16	Volatiles, Halogenated (continued)	Bromodichloromethane				XXX									
		Bromoform				XXX									
		Bromomethane				XXX									
		Carbon tetrachloride				XXX									
		Chlorobenzene				XXX									
		Chloroform		XXX											
		Chloromethane				XXX									
		Cis-1,3-Dichloropropylene				XXX									
		Dibromochloromethane				XXX									
		Ethylene dibromide				XXX									
		Methylene chloride				XXX									
		Tetrachloroethylene (Perchloroethylene)				XXX									
		Trans-1,2-Dichloroethylene				XXX									
		Trans-1,3-Dichloropropylene				XXX									
		Trichloroethylene				XXX									
		Trichlorofluoromethane				XXX									
		Vinyl chloride (Chloroethylene)				XXX									
17	Volatiles, Non-Halogenated	Benzene				XXX								XXX	
		Styrene				XXX								XXX	
		Toluene				XXX								XXX	
		o-Xylene				XXX								XXX	
		m-Xylene and p-Xylene				XXX								XXX	
25	Solvent Extractables	Oil and grease		XXX					XXX				XXX		XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Sanitary Sewer				Powerhouse Drain				Waste Treatment Centre				Unnamed
		STREAM TYPE:	Process Effluent				Combined Effluent				Batch Discharge Effluent				Once Through Cooling Water
		ATG E2 DAILY MONITORING REQUIRED:	Yes				No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)								XXX					
E1	Metals	Iron		XXX				XXX				XXX			XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	01 Stream	02 Stream	03 Storm Sewer	04 Storm Sewer	05 Storm Sewer	Perch Creek
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Storm Water	Storm Water	Storm Water	Waste Disposal Site Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**						
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium		XXX				XXX
		Total Kjeldahl nitrogen		XXX				XXX
4b		Nitrate + Nitrite	XXX	XXX	XXX	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)						
9	Total metals	Aluminum	XXX	XXX	XXX	XXX	XXX	XXX
		Beryllium						
		Boron						
		Cadmium						
		Chromium						
		Cobalt	XXX					
		Copper	XXX	XXX	XXX	XXX	XXX	XXX
		Lead	XXX			XXX		
		Lithium						
		Molybdenum						

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	01 Stream	02 Stream	03 Storm Sewer	04 Storm Sewer	05 Storm Sewer	Perch Creek
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Storm Water	Storm Water	Storm Water	Waste Disposal Site Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
9	Total metals (continued)	Nickel	XXX					
		Silver						
		Strontium						
		Thallium						
		Vanadium	XXX					
		Zinc	XXX	XXX	XXX	XXX	XXX	XXX
10	Hydrides	Antimony						
		Arsenic						
		Selenium						
11	Chromium (Hexavalent)	Chromium (Hexavalent)						
12	Mercury	Mercury						
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX				XXX
15	Sulphide	Sulphide	XXX				XXX	XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane						
		1,1,2-Trichloroethane						
		1,1-Dichloroethane						
		1,1-Dichloroethylene						
		1,2-Dichlorobenzene						
		1,2-Dichloroethane (Ethylene dichloride)						
		1,2-Dichloropropane						
		1,3-Dichlorobenzene						
		1,4-Dichlorobenzene						

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	01 Stream	02 Stream	03 Storm Sewer	04 Storm Sewer	05 Storm Sewer	Perch Creek
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Storm Water	Storm Water	Storm Water	Waste Disposal Site Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
16	Volatiles, Halogenated (continued)	Bromodichloromethane						
		Bromoform						
		Bromomethane						
		Carbon tetrachloride						
		Chlorobenzene						
		Chloroform	XXX		XXX	XXX		
		Chloromethane						
		Cis-1,3-Dichloropropylene						
		Dibromochloromethane						
		Ethylene dibromide						
		Methylene chloride						
		Tetrachloroethylene (Perchloroethylene)						
		Trans-1,2-Dichloroethylene						
		Trans-1,3-Dichloropropylene						
		Trichloroethylene						
		Trichlorofluoromethane						
		Vinyl chloride (Chloroethylene)						
17	Volatiles, Non-Halogenated	Benzene	XXX					
		Styrene	XXX					
		Toluene	XXX					
		o-Xylene	XXX					
		m-Xylene and p-Xylene	XXX					
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	01 Stream	02 Stream	03 Storm Sewer	04 Storm Sewer	05 Storm Sewer	Perch Creek
		STREAM TYPE:	Storm Water	Waste Disposal Site Effluent	Storm Water	Storm Water	Storm Water	Waste Disposal Site Effluent
		ATG E2 DAILY MONITORING REQUIRED:	No	No	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)	XXX		XXX	XXX		
E1	Metals	Iron	XXX	XXX	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Duke Stream	Unnamed
		STREAM TYPE:	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	XXX	
		Beryllium		
		Boron		
		Cadmium		
		Chromium		
		Cobalt		
		Copper	XXX	XXX
		Lead		
		Lithium		
		Molybdenum		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Duke Stream	Unnamed
		STREAM TYPE:	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Nickel		
		Silver		
		Strontium		
		Thallium		
		Vanadium		
		Zinc	XXX	XXX
10	Hydrides	Antimony		
		Arsenic		
		Selenium		
11	Chromium (Hexavalent)	Chromium (Hexavalent)		
12	Mercury	Mercury		
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	
15	Sulphide	Sulphide		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane		
		1,1,2-Trichloroethane		
		1,1-Dichloroethane		
		1,1-Dichloroethylene		
		1,2-Dichlorobenzene		
		1,2-Dichloroethane (Ethylene dichloride)		
		1,2-Dichloropropane		
		1,3-Dichlorobenzene		
		1,4-Dichlorobenzene		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Duke Stream	Unnamed
		STREAM TYPE:	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
16	Volatiles, Halogenated (continued)	Bromodichloromethane		
		Bromoform		
		Bromomethane		
		Carbon tetrachloride		
		Chlorobenzene		
		Chloroform		
		Chloromethane		
		Cis-1,3-Dichloropropylene		
		Dibromochloromethane		
		Ethylene dibromide		
		Methylene chloride		
		Tetrachloroethylene (Perchloroethylene)		
		Trans-1,2-Dichloroethylene		
		Trans-1,3-Dichloropropylene		
		Trichloroethylene		
		Trichlorofluoromethane		
		Vinyl chloride (Chloroethylene)		
17	Volatiles, Non-Halogenated	Benzene		
		Styrene		
		Toluene		
		o-Xylene		
		m-Xylene and p-Xylene		
25	Solvent Extractables	Oil and grease	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE G - CHALK RIVER NUCLEAR LABORATORIES

		NAME OF EFFLUENT STREAM:	Duke Stream	Unnamed
		STREAM TYPE:	Waste Disposal Site Effluent	Emergency Overflow
		ATG E2 DAILY MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	during discharge
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**		
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)		
E1	Metals	Iron	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE H - DOUGLAS POINT WASTE MANAGEMENT FACILITY

		NAME OF EFFLUENT STREAM:	Unnamed	Outside Sump	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Storm Water	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX
		Total Kjeldahl nitrogen			
4b		Nitrate + Nitrite			
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum			
		Beryllium			
		Boron			
		Cadmium			
		Chromium			
		Cobalt			
		Copper	XXX	XXX	XXX
		Lead			
		Lithium			
		Molybdenum			
		Nickel			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE H - DOUGLAS POINT WASTE MANAGEMENT FACILITY

		NAME OF EFFLUENT STREAM:	Unnamed	Outside Sump	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Storm Water	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Silver			
		Strontium			
		Thallium			
		Vanadium			
		Zinc	XXX	XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)			
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)			XXX
E1	Metals	Iron	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE I - NUCLEAR POWER DEMONSTRATION WASTE MANAGEMENT FACILITY

		NAME OF EFFLUENT STREAM:	Unnamed	Outside Sump	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Storm Water	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX	XXX
4b		Nitrate + Nitrite		XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum	XXX	XXX	XXX
		Beryllium			
		Boron			
		Cadmium			
		Chromium			
		Cobalt			
		Copper	XXX	XXX	XXX
		Lead			
		Lithium			
		Molybdenum			
		Nickel			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE I - NUCLEAR POWER DEMONSTRATION WASTE MANAGEMENT FACILITY

		NAME OF EFFLUENT STREAM:	Unnamed	Outside Sump	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Storm Water	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Silver			
		Strontium			
		Thallium			
		Vanadium			
		Zinc	XXX	XXX	XXX
12	Mercury	Mercury	XXX		
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX	XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethylene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane (Ethylene dichloride)			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene	XXX		
		Bromodichloromethane			
		Bromoform			
		Bromomethane			
		Carbon tetrachloride	XXX		
		Chlorobenzene			
		Chloroform			
		Chloromethane			
		Cis-1,3-Dichloropropylene			
		Dibromochloromethane			
		Ethylene dibromide			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE I - NUCLEAR POWER DEMONSTRATION WASTE MANAGEMENT FACILITY

		NAME OF EFFLUENT STREAM:	Unnamed	Outside Sump	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Storm Water	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
16	Volatiles, Halogenated (continued)	Methylene chloride			
		Tetrachloroethylene (Perchloroethylene)			
		Trans-1,2-Dichloroethylene			
		Trans-1,3-Dichloropropylene			
		Trichloroethylene			
		Trichlorofluoromethane	XXX		
		Vinyl chloride (Chloroethylene)			
17	Volatiles, Non-Halogenated	Benzene			
		Styrene			
		Toluene	XXX		
		o-Xylene			
		m-Xylene and p-Xylene			
19	Extractables, Base Neutral	Acenaphthene			
		5-nitro Acenaphthene			
		Acenaphthylene			
		Anthracene			
		Benz(a)anthracene			
		Benzo(a)pyrene			
		Benzo(b)fluoranthene			
		Benzo(g,h,i)perylene			
		Benzo(k)fluoranthene			
		Biphenyl			
		Camphene			
		1-Chloronaphthalene			
		2-Chloronaphthalene			
		Chrysene			
		Dibenz(a,h)anthracene			

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE I - NUCLEAR POWER DEMONSTRATION WASTE MANAGEMENT FACILITY

		NAME OF EFFLUENT STREAM:	Unnamed	Outside Sump	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Storm Water	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**			
19	Extractables, Base Neutral (continued)	Fluoranthene		XXX	XXX
		Fluorene			
		Indeno(1,2,3-cd)pyrene			
		Indole			
		1-Methylnaphthalene			
		2-Methylnaphthalene			
		Naphthalene			
		Perylene			
		Phenanthrene			
		Pyrene			
		Benzyl butyl phthalate			
		Bis(2-ethylhexyl) phthalate			
		Di-n-butyl phthalate			
		4-Bromophenyl phenyl ether			
		4-Chlorophenyl phenyl ether			
		Bis(2-chloroisopropyl)ether			
		Bis(2-chloroethyl)ether			
		Diphenyl Ether			
		2,4-Dinitrotoluene			
		2,6-Dinitrotoluene			
		Bis(2-chloroethoxy)methane			
		Diphenylamine			
		N-Nitrosodiphenylamine			
		N-Nitrosodi-n-propylamine			
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX
27	Polychlorinated Biphenyls (PCBs) (Total)	(PCBs) (Total)	XXX		

EFFLUENT MONITORING REGULATION - ELECTRIC POWER GENERATION SECTOR

MONITORING SCHEDULE I - NUCLEAR POWER DEMONSTRATION WASTE MANAGEMENT FACILITY

		NAME OF EFFLUENT STREAM:	Unnamed	Outside Sump	Unnamed
		STREAM TYPE:	Potentially Contaminated Building Effluent	Storm Water	Storm Water
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
E1	Metals	Iron	XXX	XXX	XXX

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